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1918

# MICHELL'S SEEDS



### MICHELL'S COTTAGE GARDEN VEGETABLE COLLECTION

BEAN	MICHELL'S IMPROVED STRAIN	STRINGLESS GREEN POD.	EACH VARIETY
BEET	MICHELL'S IDEAL		10 c. PER PACKET
CARROT	MICHELL'S ORANGE BEAUTY		ONE PACKET OF EACH
LETTUCE	DAVEY'S BIG BOSTON		FOR 50 cts.
ONION	MICHELL'S WINTER KEEPER		FOR DESCRIPTION
TOMATO	MICHELL'S CRACKER JACK		AND LARGER QUANTITIES OF SEED SEE PAGE 5.

**BULBS HENRY F. MICHELL CO. PLANTS.**  
 518 MARKET ST. PHILADELPHIA.













# THE AMERICAN ROSE SOCIETY

BENJAMIN HAMMOND, President

E. A. WHITE, Secretary, Ithaca, N. Y.

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Date \_\_\_\_\_

E. A. WHITE, Secretary, Ithaca, N. Y.

I enclose \$2 to pay for Annual Membership in The American Rose Society for 1918. I am entitled to admission to all Exhibitions in which the Society participates, and to all the publications of the Society issued during the year, as well as a bound copy of the 1918 American Rose Annual, with 180 or more pages of information and many fine illustrations.

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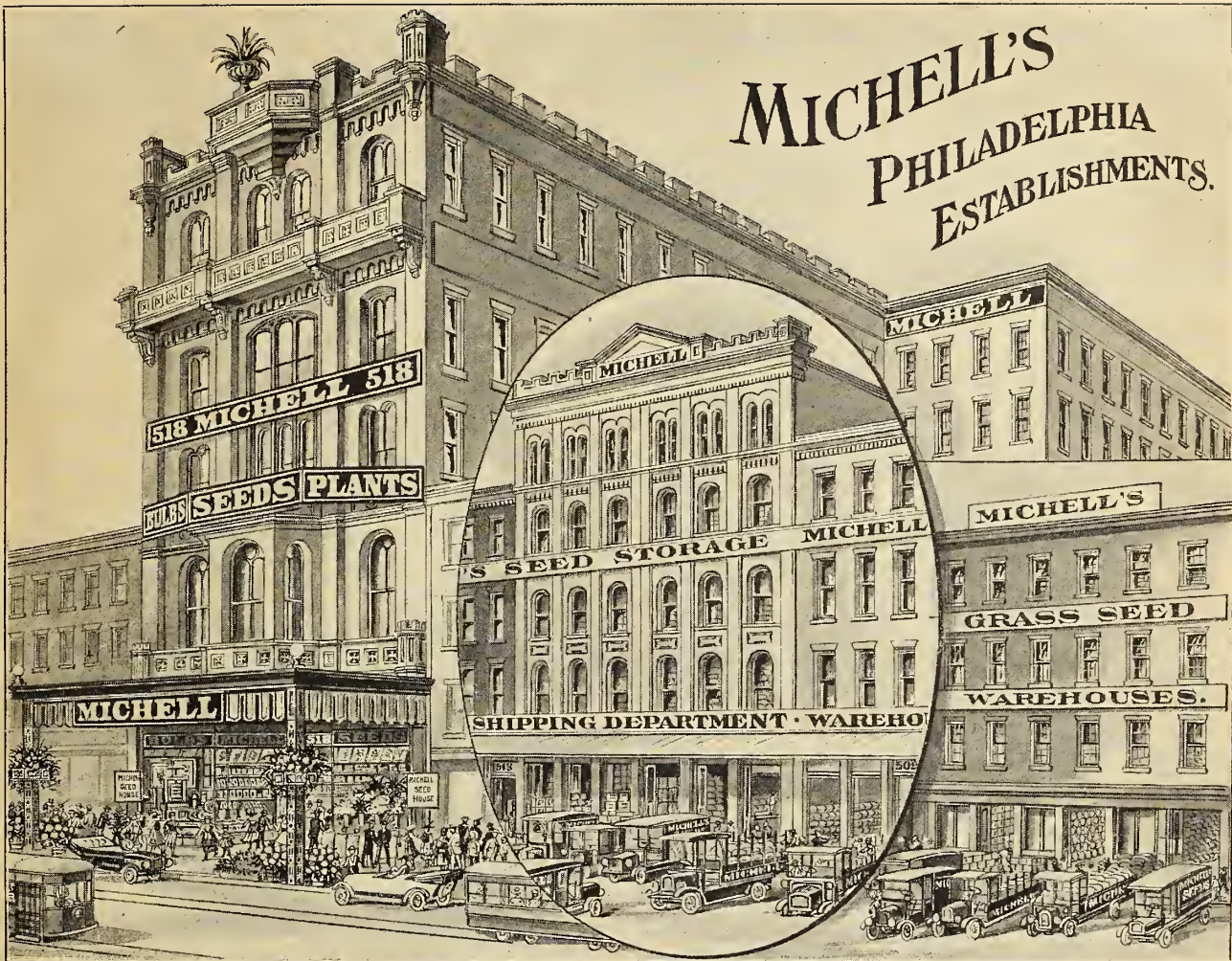


**THE AMERICAN ROSE SOCIETY** was organized in 1899 "to increase general interest in the cultivation and to improve the standard of excellence of **THE ROSE FOR ALL THE PEOPLE.**" It holds several annual national exhibitions, at which large prizes are awarded for the best Roses.

It encourages local exhibitions, and has affiliated with it many Rose societies. It supervises five Rose test-gardens—in Hartford, Ithaca, Minneapolis, Washington, and Portland. All new Roses of value are registered with it, and its Medals are highly prized as an evidence of especial merit. Its membership has increased nearly seven hundred per cent in the past year, and now includes interested amateurs all over America.

Most of all, it issues only for its members **THE AMERICAN ROSE ANNUAL**, the authoritative record of American Rose progress, which is needed by every Rose-lover in America. Membership at \$2 per annum brings this fine book and other publications of the Society, with tickets to its exhibitions.

FOR MEMBERSHIP DETAILS, SEE OTHER SIDE



The loyal patronage of our trade, coupled with our efforts to please and render service, has made our organization possible. A staff of about 125 employes at our Store and Salesrooms housed in a building 5 stories high, 23 feet wide, on Market Street, 47 feet wide on Ludlow Street, 180 feet deep. Our shipping department and part of our warehouses front 67 feet on Ludlow Street. At 19-21-23 Bank Street is located our 4-story warehouse, devoted almost exclusively to the storage of grass seed.



Bird's Eye View  
 MICHELL'S NURSERIES and GREENHOUSES  
 Andalusia, Penna.

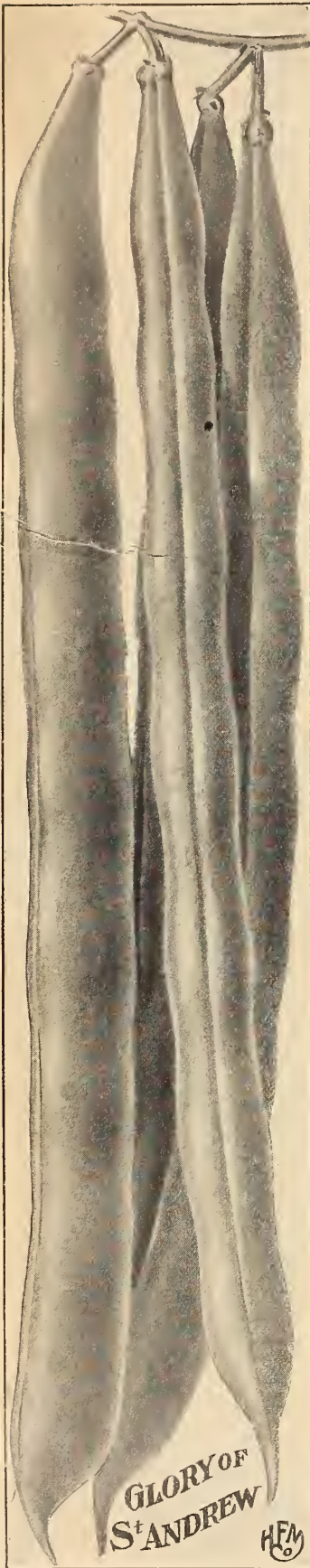
Our nurseries comprise about 50 acres of highly cultivated land, 16 modern greenhouses and about 1500 glass-covered sash frames, with a staff varying from 30 to 45 employes. Our specialties are: Pot-Grown Roses, Perennials, etc.



# INDEX TO CONTENTS OF MICHELL'S 1918 CATALOG—Continued

Bulbs and Plants	Bulbs and Plants	Implements, Sundries, etc.	Implements, Sundries, etc.	Implements, Sundries, etc.
Golden Rod . . . . . 144	Pueraria . . . . . 148, 149	Brooms . . . . . 171	Husking Pins . . . . . 175	Rolling Stands . . . . . 191
Gooseberries . . . . . 159	Pulmonaria . . . . . 143	Brooder . . . . . 192	Hydrant Attachment . . . . . 181	Road Scoops . . . . . 162
Grapes . . . . . 159	Pyrethrum . . . . . 116, 143	Brush Hooks . . . . . 175	Hyacinth Stakes . . . . . 187	Rose Stakes . . . . . 187
Grasses (Ornamental) . . . . . 133	Pyrus . . . . . 154, 158	Brushes . . . . . 171	Hydrometers . . . . . 198	Rubber Aprons . . . . . 181
Gynerium . . . . . 133	Quinces . . . . . 160	Bug Death . . . . . 198	Humus . . . . . 45, 196	Rubber Hose . . . . . 180
Gypsophila . . . . . 134	Ranunculus . . . . . 116, 143	Bulb Fibre . . . . . 185	Incubators . . . . . 192	Rubber Sprinkler . . . . . 184
Hedge Plants . . . . . 156	Raspberries . . . . . 160	Butter Churns . . . . . 193	Insecticides . . . . . 198, 199	Rubbish Baskets . . . . . 169
Helium . . . . . 134	Retinospora . . . . . 157	Calf Weaners . . . . . 193	Iron Age Tools . . . . . 163, 164	Rubbish Consumers . . . . . 172
Helianthemum . . . . . 134	Rhododendron . . . . . 151	Cane Stakes . . . . . 187	I X L Compound . . . . . 198	Rustic Bark . . . . . 179
Helianthus . . . . . 134	Rhus . . . . . 154	Carnation Bands . . . . . 185	Kerosene Emulsion . . . . . 198	Sand . . . . . 185, 195
Heliosipis . . . . . 134	Ricinus . . . . . 116	Carnation Supports . . . . . 182	Kil-O-Scale . . . . . 198	Sash . . . . . 185
Heliotrope . . . . . 114	Roses . . . . . 117 to 123	Cemetery Hooks . . . . . 182	Kirke's System . . . . . 186	Saws . . . . . 176
Heliochorus . . . . . 134	Rudbeckia . . . . . 143	Celery Bleacher . . . . . 6, 17	Knives . . . . . 175	Saucers . . . . . 191
Hemero callis . . . . . 135	Sage . . . . . 116, 143	Celery Handler . . . . . 17	Labels . . . . . 184	Salt Bricks . . . . . 197
Hepatica . . . . . 135	Salvia . . . . . 116, 143	Celery Hiller . . . . . 163	Lawn Guards . . . . . 182	Scalecide . . . . . 199
Hesperia . . . . . 135	Salfisburia . . . . . 158	Celery Paper . . . . . 17, 185	Lawn Signs . . . . . 182	Scale Destroyer . . . . . 199
Heuchera . . . . . 135	Sambucus . . . . . 155	Celery Tape . . . . . 17	Lawn Boots . . . . . 169	Scissors . . . . . 177
Hibiscus . . . . . 135	Saponaria . . . . . 144	Charcoal . . . . . 185	Lawn Cleaner . . . . . 169	Screw Drivers . . . . . 175
Hieracium . . . . . 135	Saxifraga . . . . . 144	Chrysanthemum Manure . . . . . 196	Lawn Sprinklers . . . . . 181	Scuffle Hoes . . . . . 173
Hollyhock . . . . . 135	Scabiosa . . . . . 144	Cider Mills . . . . . 178	Lawn Rakes . . . . . 172	Scythes . . . . . 170
Honeysuckle . . . . . 149, 153	Schizophragma . . . . . 150	Clay's Fertilizer . . . . . 196	Lawn Shears . . . . . 171	Scythe Stones . . . . . 170
Hop Vine . . . . . 149	Scutellaria . . . . . 144	Cocunut Fibre . . . . . 185	Lawn Shovels . . . . . 171	Scythe Handles . . . . . 170, 173
Houstonia . . . . . 135	Sedum . . . . . 144	Cork . . . . . 185	Lawn Mower Oil . . . . . 170	Scythes . . . . . 162
Hyacinthus . . . . . 114	Senecio . . . . . 144	Corn Knives . . . . . 175	Lawn Seeders . . . . . 168	Shading Cloth . . . . . 162, 164, 165
Hydrangea . . . . . 113, 153	Shasta Daisy . . . . . 129, 144	Corn Planters . . . . . 52, 162, 164	Lawn Mowers . . . . . 166 to 168	Shedding . . . . . 185
Hypericum . . . . . 135	Shrubs . . . . . 151 to 155	Corn Poppers . . . . . 177	Lawn Mower Sharpener . . . . . 168	Shedding . . . . . 185
Iberis . . . . . 138	Silene . . . . . 144	Corn Sheller . . . . . 199	Lawn Mower Sharpening . . . . . 167	Shears . . . . . 171, 176, 177
Incarvillea . . . . . 138	Snadragon . . . . . 99	Copperas . . . . . 196	Lawn Dressing . . . . . 197	Shovels . . . . . 173
Inula . . . . . 138	Soldago . . . . . 144	Cottonseed Meal . . . . . 196	Lawn Trimmers . . . . . 167	Sheep Manure . . . . . 197
Ipomea . . . . . 149	Spiraea . . . . . 144, 154	Cow Manure . . . . . 196	Ladders . . . . . 197	Shoo-fly . . . . . 199
Iris . . . . . 136, 137	Stachys . . . . . 144	Copper Solution . . . . . 198	Leaf Plaster . . . . . 197	Sickles . . . . . 170
Ismeue . . . . . 114	Staphylea . . . . . 155	Cattle Bone . . . . . 187	Lemon Oil Insecticide . . . . . 198	Sieves . . . . . 178
Ivy . . . . . 114, 118, 148	Static . . . . . 145	Cut Flower Boxes . . . . . 185	Leaf Mould . . . . . 185	Song Restorer . . . . . 195
Jasmine . . . . . 149	Stenanthum . . . . . 145	Cultivators . . . . . 163	Leaf Racks . . . . . 169	Soil . . . . . 185
Juniperus . . . . . 137	Stocks . . . . . 116	Cultivator Teeth . . . . . 163	Lice Destroyers . . . . . 195	Sod Perforator . . . . . 169
Kalmia . . . . . 153	Stokesia . . . . . 145	Curtworm Destroyer . . . . . 198	Lime . . . . . 197	Sod Tamers . . . . . 169
Kerria . . . . . 153	Strawberries . . . . . 160	Cyanegg . . . . . 198	Lime-stone . . . . . 197	Sod Lifter . . . . . 171
Kudzu Vine . . . . . 148, 149	Sweet William . . . . . 145	Dandelion Extractor . . . . . 198	Lime-sulphur . . . . . 198	Sod Crusher . . . . . 178
Lantana . . . . . 114	Syphilium . . . . . 145	Delmatian Powder . . . . . 198	Lopping Shears . . . . . 176	Sod Cutter . . . . . 168
Larkspur . . . . . 131	Symphoricarpos . . . . . 155	Dearth to Lice Powder . . . . . 198	Manure Distributors . . . . . 178	Soil Pulverizer . . . . . 178
Larch . . . . . 158	Syring . . . . . 158	Dibbles . . . . . 174	Manure Forks . . . . . 174	Soot . . . . . 178
Lathyrus . . . . . 138, 149	Tamarix . . . . . 155	Disinfectants . . . . . 195	Manure Drags . . . . . 178	Soap Spray . . . . . 198
Lavandula . . . . . 138	Tanacetum . . . . . 145	Digging Forks . . . . . 174	Manure . . . . . 197	Slug Shot . . . . . 199
Lemon Verbena . . . . . 114	Taxus . . . . . 157	Dovels . . . . . 187	Mape's Fertilizers . . . . . 197	Snow Shovels . . . . . 173
Liatriis . . . . . 138	Thalictrum . . . . . 145	Drills . . . . . 162	Mastica Fertilizers . . . . . 197	Spading Forks . . . . . 174
Lilacs . . . . . 153	Thermopsis . . . . . 145	Dusters . . . . . 190	Mastica Machine . . . . . 179	Spades . . . . . 173
Lilies . . . . . 115	Thuja . . . . . 157	Earthworm Destroyers . . . . . 199	Masting . . . . . 175	Sprayers . . . . . 188 to 193
Lily of the Valley . . . . . 114, 138	Thymus . . . . . 145	Edging Knives . . . . . 171	Marking Pencils . . . . . 174	Sprayer Nozzles . . . . . 188
Linden . . . . . 158	Tradescantia . . . . . 116	Egg Boxes . . . . . 193	Marking Rakes . . . . . 172	Stakes . . . . . 187
Linum . . . . . 138	Trees (Shade) . . . . . 158	Emery . . . . . 170	Measures . . . . . 184	Stake Fasteners . . . . . 187
Lobelia . . . . . 114, 138	Triacrtis (Fruit) . . . . . 159, 160	Extension Pipes . . . . . 188	Mehler Tools . . . . . 173	Stoves . . . . . 185
Lonicera . . . . . 153	Trillium . . . . . 145	Fertilizers . . . . . 196, 197	Melion Nets . . . . . 175	Straw Mats . . . . . 178
Lupinus . . . . . 138	Tritoma . . . . . 145	Feed Cutter . . . . . 177	Miniature Hotbeds . . . . . 193	Styptic . . . . . 185
Lychnis . . . . . 138	Trollius . . . . . 145	Feeders . . . . . 193	Milking Pails . . . . . 193	Stone Boxes . . . . . 169
Lycium . . . . . 149	Trumpet Vine . . . . . 148	Fencing . . . . . 182, 183	Mowers . . . . . 166 to 168	Sulphur Blowers . . . . . 190
Lysimachia . . . . . 138	Tuberose . . . . . 116	Fertilizer Distributor . . . . . 162	Mole Trans . . . . . 171	Sulphate of Ammonia . . . . . 197
Lythrum . . . . . 139	Tulip Tree . . . . . 158	Fern Pans . . . . . 191	Monkey Wrenches . . . . . 175	Sulphate of Copper . . . . . 197
Madeira Vine . . . . . 150	Tunica . . . . . 145	Flower Pots . . . . . 191	Mouse Traps . . . . . 177	Sulphate of Potash . . . . . 197
Magnolia . . . . . 158	Umbrella Tree . . . . . 158	Files (Dried) . . . . . 170	Moss . . . . . 185	Sulphocide . . . . . 199
Maples . . . . . 154, 158	Valeriana . . . . . 146	Fish (Dried) . . . . . 198	Mulford's Cultures . . . . . 47	Sulphur . . . . . 199
Marigold . . . . . 114	Verbasum . . . . . 146	Fish Oil Soap . . . . . 198	Muriate of Potash . . . . . 197	Sulphur Candles . . . . . 199
Mariocaria . . . . . 139	Veronica . . . . . 116	Fork Pickers . . . . . 174	Netting . . . . . 182	Sun Dial . . . . . 182
Matrimony Vine . . . . . 149	Viburnum . . . . . 155	Fruit Pickers . . . . . 178	Nicotifide . . . . . 199	Syringes . . . . . 188
Mertensia . . . . . 139	Vines & Climbers . . . . . 147 to 150	Fungine . . . . . 198	Nikotiana . . . . . 199	Tankage . . . . . 197
Mexican Vine . . . . . 150	Viola . . . . . 146	Fumigator . . . . . 190	Nicotene . . . . . 199	Tar Paper . . . . . 155
Mignonette . . . . . 114	Violets . . . . . 146	Garden Line . . . . . 175	Nitrate of Soda . . . . . 197	Tennis Court Marker . . . . . 169
Monarda . . . . . 139	Vitex . . . . . 155	Garden Markers . . . . . 184	Nozzles . . . . . 181, 188	Thermometers . . . . . 27, 178
Monbretia . . . . . 116, 139	Wallflower . . . . . 146	Garden Reels . . . . . 175	Nozzle Holders . . . . . 180	Thermostat . . . . . 178
Moou Vines . . . . . 149	Weigelia . . . . . 155	Garden Sets . . . . . 173	Oil Caus . . . . . 170	Thrip Juice . . . . . 199
Mulberry . . . . . 158	Willow . . . . . 139	Getz There Soap . . . . . 198	Orchid Peat . . . . . 185	Thompson's Manure . . . . . 197
Musa Ensete . . . . . 114, 139	Wistaria . . . . . 150	Glass Cleaner . . . . . 185	Paris Green Sbakers . . . . . 190	Tinfol . . . . . 185
Mvosotis . . . . . 114, 139	Yucca . . . . . 146	Glass Cutters . . . . . 179	Paris Green . . . . . 199	Toothpicks . . . . . 185
Nasturtium . . . . . 116	Zephyranthes . . . . . 116	Glass Clamps . . . . . 179	Paper . . . . . 185	Tobacco Dust . . . . . 199
Nierembergia . . . . . 139	Zinnia . . . . . 116	Glazing Cements . . . . . 179	Paeony Supports . . . . . 183	Tobacco Soap . . . . . 199
Nut Trees . . . . . 160	IMPLEMENTS, SUNDRIES, ETC.	Gloves . . . . . 176	Paper Pots . . . . . 191	Tobacco Stems . . . . . 197, 199
Oak . . . . . 158	Alphano, Inoculant . . . . . 47, 196	Grafting Tool . . . . . 175	Pans . . . . . 191	Torches . . . . . 190
Oenothera . . . . . 139	Ant Eggs . . . . . 195	Grafting Wax . . . . . 175, 185	Pebbles . . . . . 185	Tomato Supports . . . . . 183
Ononis . . . . . 139	Ant Exterminator . . . . . 198	Grape Dust . . . . . 198	Peat . . . . . 185	Tool Brackets . . . . . 168
Opobus . . . . . 139	Antipest . . . . . 198	Grape Grinders . . . . . 178	Phosphate . . . . . 197	Tree Paint . . . . . 185
Oxalis . . . . . 116	Aphine . . . . . 198	Grape Bags . . . . . 184	Picks . . . . . 175	Tree Guards . . . . . 183
Pachysandra . . . . . 139	Aprons (Rubber) . . . . . 181	Grass Catcher . . . . . 168	Plant Protector . . . . . 23	Tree Labels . . . . . 184
Paeonias . . . . . 139	Asparagus Fertilizer . . . . . 9, 196	Grass Edger . . . . . 171	Plant Stands . . . . . 184	Tree Pruners . . . . . 176
Panacratium . . . . . 114	Asparagus Salt . . . . . 9, 109	Grass Hooks . . . . . 170	Plant Stakes . . . . . 197	Tree Tanglefoot . . . . . 199
Pansies . . . . . 116	Asparagus Knives . . . . . 174	Grass Shears . . . . . 171	Plant Food . . . . . 197	Tree Scraper . . . . . 175
Papaver . . . . . 142	Asparagus Bunchers . . . . . 9, 174	Greenfoe . . . . . 185	Plant Stakes . . . . . 187	Trellis . . . . . 31, 183, 150
Pardanthus . . . . . 139	Asparagus Tape . . . . . 9	Greenhouse White . . . . . 175	Planer Jr. Tools . . . . . 165	Traps . . . . . 177
Passiflora . . . . . 150	Ashes (Wood) . . . . . 196	Grindstone . . . . . 162	Pliers . . . . . 161, 164	Trowels . . . . . 174
Peaches . . . . . 160	Automobile Heaters . . . . . 177	Guano . . . . . 196	Pots . . . . . 191	Transplanting Hoe . . . . . 173
Pears . . . . . 160	Axes . . . . . 175	Hammers . . . . . 175	Poles . . . . . 171, 191	Turf Lifter . . . . . 171
Pennisetum . . . . . 139	Bamboo Poles . . . . . 171, 187	Handles . . . . . 173	Pot Labels . . . . . 184	Tubs . . . . . 171
Pentstemon . . . . . 139	Baskets . . . . . 184	Hanging Baskets . . . . . 182	Pot Hangers . . . . . 182	Twine . . . . . 187
Perennial plants . . . . . 124 to 146	Barrels . . . . . 169	Happy Jack Windmill . . . . . 177	Pot Brackets . . . . . 182	Vaporizing Lamps . . . . . 190
Periwinkle . . . . . 116, 146	Barrel Truck . . . . . 169	Hatchets . . . . . 175	Porch Boxes . . . . . 179	Vaporite . . . . . 191
Petunia . . . . . 116	Berry Boxes . . . . . 184	Harrows . . . . . 161, 163	Powder Guns . . . . . 190	Vapor Cones . . . . . 199
Phialdephus . . . . . 153	Bellows . . . . . 190	Hay Cutter . . . . . 177	Poultry Supplies . . . . . 192, 195	Vases . . . . . 191, 182
Phalaris . . . . . 133	Bird Manna . . . . . 195	Hay Forks . . . . . 174	Poultry Netting . . . . . 182	Vermine . . . . . 199
Phlox . . . . . 116, 141, 142	Bird Houses . . . . . 3rd cover	Hedge Knives . . . . . 175	Post Hole Digger . . . . . 175	Violet Foil . . . . . 185
Physalis . . . . . 139	Bill Hooks . . . . . 175	Hedge Shears . . . . . 176	Pourette . . . . . 197	Wall Nails . . . . . 183
Physostegia . . . . . 142	Blood (Dried) . . . . . 196	Helibore . . . . . 198	Pruning Compound . . . . . 185	Watering Cans . . . . . 181
Pilea . . . . . 157	Blood Flour . . . . . 196	Hoes . . . . . 163, 164, 165, 172, 173	Pruning Saws . . . . . 176	Weeders . . . . . 162, 172, 174
Pinks . . . . . 142	Books . . . . . 200	Horse Shavings . . . . . 196	Pruning Shears . . . . . 177	Weed Killers . . . . . 185
Pinus . . . . . 157	Bon Arbor . . . . . 196	Horse Boots . . . . . 167	Pruners . . . . . 176, 177	Weed Gun . . . . . 185
Plant Trees . . . . . 158	Bone Meal . . . . . 196	Horse Mowers . . . . . 185	Pruning Gloves . . . . . 176	Wheelbarrows . . . . . 170
Platycodon . . . . . 142	Bone Flour . . . . . 196	Horse Muzzles . . . . . 168	Poultry Distributors . . . . . 179	Wheel Hoes . . . . . 165
Pumbago . . . . . 142	Bordeaux Shears . . . . . 171	Hose . . . . . 180	Pumps . . . . . 188, 189, 190	Wheat Fertilizer . . . . . 177
Pums . . . . . 160	Bordeaux Mixture . . . . . 198	Hose Bands . . . . . 180	Pyrox . . . . . 199	Whitewash Brush . . . . . 197
Polemonium . . . . . 142	Bordeaux-Arsenate . . . . . 198	Hose Connections . . . . . 181	Raffia . . . . . 187	Wire . . . . . 187
Polygonum . . . . . 142, 150	Briar Hooks . . . . . 175	Hose Couplings . . . . . 180	Raffiatape . . . . . 9, 187	Wire Arches . . . . . 183
Poplar . . . . . 158	Brooms . . . . . 171	Hose Menders . . . . . 180	Rakes . . . . . 172	Wire Netting . . . . . 182
Poppies . . . . . 142	Brooder . . . . . 192	Hose Nozzles . . . . . 181	Rat Corn . . . . . 199	Wire Baskets . . . . . 182
Potentilla . . . . . 142	Brush Hooks . . . . . 175	Hose Reducers . . . . . 181	Rat Traps . . . . . 177	Window Boxes . . . . . 179
Poterium . . . . . 142	Brushes . . . . . 171	Hose Reels . . . . . 180	Readeana . . . . . 186, 199	Wire Presses . . . . . 178
Primula . . . . . 143	Bug Death . . . . . 198	Hotbed Sash . . . . . 185	Rot Cutter . . . . . 177	Worm Gradicator . . . . . 176
Privet . . . . . 156	Bulb Fibre . . . . . 185	Hotbed Mats . . . . . 185	Rollers . . . . . 170	Worm Destroyer . . . . . 176
Ranella . . . . . 143	Butter Churns . . . . . 193	Hovers . . . . . 192	Roofing Paper . . . . . 183	Zementine . . . . . 185
Ranunculus . . . . . 116, 143	Calf Weaners . . . . . 193			Zenoleum . . . . . 199

# MICHELL'S VEGETABLE SEED SPECIALTIES



## VERY IMPORTANT. PLEASE READ. SPECIAL NOTICE.

Not in a time that anyone can recall have conditions in the Seed Trade been as they are today. The Season 1917 closed with practically no supplies of Vegetable Seeds left over. During that year the growers who produce seeds for us planted a much larger acreage than ever before; every one connected in any way with agricultural pursuits put forth extra efforts to have bumper crops, but only to be disappointed, in many instances.

Unfavorable weather at planting time, followed by either too much rain or not enough, coupled with labor scarcity, has finally resulted in the shortest crop of Vegetable Seeds in almost every item produced in the United States.

Added to this already serious condition, the seed-producing centres of Europe are not able to make their usual deliveries to us, on account of restricted acreage planted (due to labor shortage), and on account of the European governments' system of conserving for home needs much, and in most cases all, of the seed harvest.

We regret this condition, but it is beyond our control, and for this reason all prices on Vegetable Seeds are offered subject to change without notice.

### ORDER EARLY

In line with our usual custom, we have taken from our general list certain specially meritorious sorts of vegetable seed, to which we call on pages 4 to 8, special attention. Planters will do well to include these sorts (as well as the novelties included in the list) in their seed order.

**BEAN—Glory of St. Andrew (Green Pod).** A dwarf compact grower and a tremendous yielder with a round pod absolutely straggless in the young stage. In our trials the past year we were much impressed with this variety on account of its wonderful productivity; quite immune from diseases that attack beans and an early maturer. Price, 15c. per pkt.; 50c. per pt.; per qt., \$1.00.

**BEAN—Mont d'Or (Wax Pod).** Semi-round in form and in comparison with the variety mentioned above it seems to possess the same qualifications except shape and color of pod. Price, 15c. pkt.; 50c. pt.; qt., \$1.00.

**POLE LIMA—Michell's Evergreen.** A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. The pods hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. All who grow limas should have this valuable variety in the home or market garden. Pkt., 15c.; 45c. per pt.; qt., 85c.; \$3.00 per 4 qts.

**POLE LIMA—Giant Podded Pole.** This variety produces pods, frequently 8½ inches long, which are well filled with tender beans, and are of a most delicious flavor when cooked. Its producing qualities are phenomenal; combines a vigorous growth with numerous laterals, which yield quantities of pods in clusters, usually as many as 8 pods. These stand out well from the foliage, so that they can easily be picked. In this variety it is recommended to leave but 2 or 3 stalks to the pole. Giant Podded Pole Limas bear well up to frost. 15c. pkt.; 45c. per pt.; per qt., 85c.; \$3.00 per 4 qts.

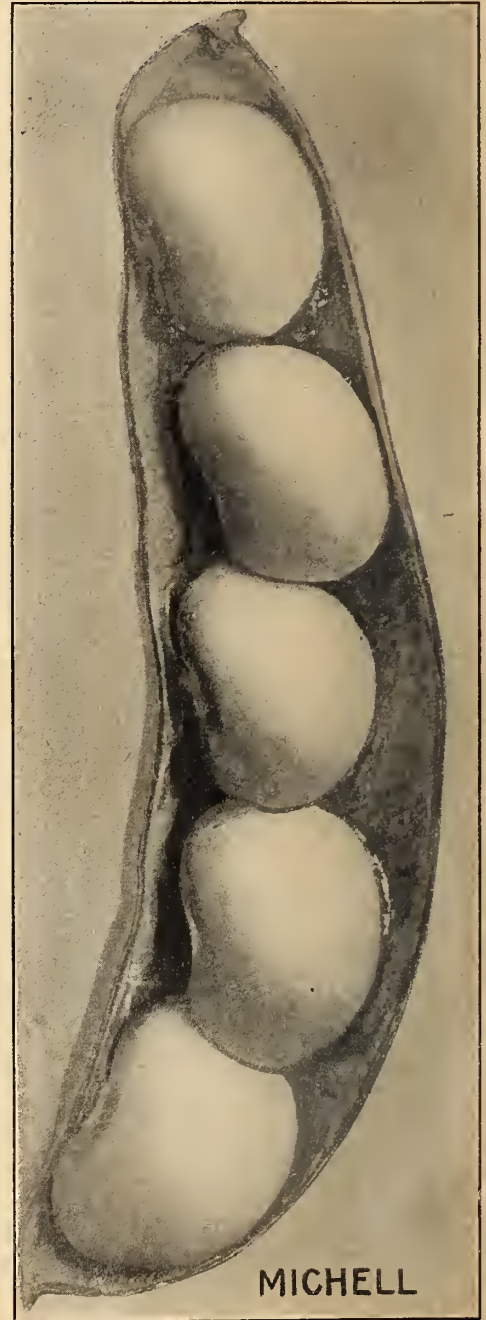
**BEET—Michell's "Winter Keeper."** This grand new beet is almost globe shaped, tapering slightly toward the root. The dark blood red flesh is always tender. The hard, stringy, wooden-like substance, so common in many varieties, is entirely absent in this sort. It is ideal as a late summer cropper, or for use during winter and spring, until new beets are on the market again. Pkt., 10c.; 25c. per oz.; ¼ lb., 85c.; \$3.00 per lb.

### TESTIMONIAL ON MICHELL'S WINTER KEEPER BEET

Wheeling, W. Va., July 28, 1917.

Please mail me at once—Michell's Winter Keeper Beet. I had a trial of these the past spring, and want to say that I never had such good-tasting beets before. I have some growing now for my winter supply, but I want to be sure of my seed for next season, so I can also give my friends a taste of them. The color and flavor of this variety is positively not to be beaten.

MAX L. HESS.



Michell's Evergreen Pole Lima Bean

All Prices subject to change without notice

(ht)

# MICHELL'S COTTAGE GARDEN VEGETABLE COLLECTION 5

(See front cover page of this catalog for these splendid varieties in natural colors.)

## BEET

**Michell's Ideal.** This variety is the result of 11 years of hard and careful work by an expert vegetable grower in Bucks County. It is a cross between Detroit and Eclipse, combining the excellent qualities of both, but is much better than either. It is turnip shaped; for tenderness, rich color and uniformity it is remarkable. It is named Ideal because, after the great length of time spent to bring it to its present state, the originator felt that he reached the ideal he was seeking in the beet line. It is primarily intended for garden culture as an early summer variety, but adapts itself also as an autumn and winter beet. If you grow only one variety of Beets grow the Ideal. 10c. per pkt.; per 1/2 oz., 15c.; 25c. per oz.; 1/4 lb., 85c.; \$3.00 per lb.

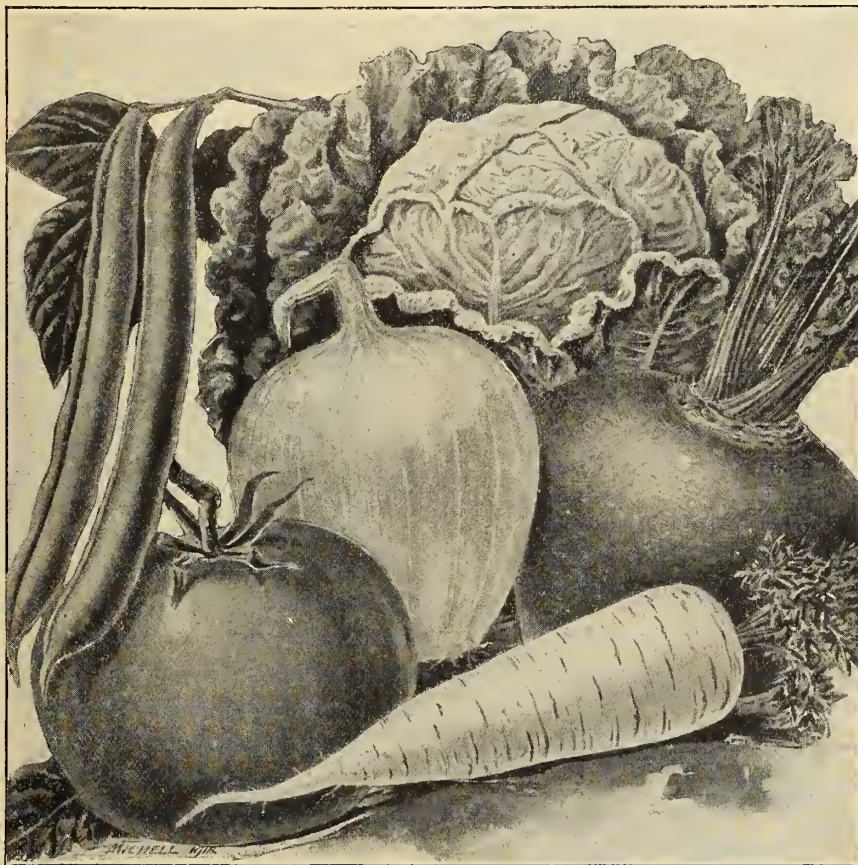
## LETTUCE

**Davey's Big Boston.** This seed is produced for us in a suburb of Paris, France, by one of the leading market gardeners there, where he created a heavy demand for this variety. The strain is far in advance of the usually good American "Big Boston" type of Lettuce. The outer leaves of the head are large and somewhat loosely set around a solid, buttery, well-flavored heart or interior. We have sold this variety extensively to some of our market gardener customers and many of them continue to book their order in advance for each season's supply, in event of a crop failure. It is ideal for hotbed culture in the early spring and autumn, while for summer growing it is one of the best. Per pkt., 10c.; 20c. per 1/2 oz., 40c.; \$1.25 per 1/4 lb.

## BEAN

**Michell's Stringless Green Pod (Improved Strain).** For a number of years the Stringless Green Pod Bean has stood in a class by itself as the best all-round green pod variety, from its youngest stage till the pods are quite old, it maintains a tender and stringless quality that outclasses all other sorts. Our bean grower has been selecting and reselecting his planting stock each season for us, so that we feel safe in saying our strain of this bean has no superior. It is worth the slight additional cost over our usual strain in this variety and we recommend it above all other green dwarf beans. Pkt., 10c.; 45c. pt.; qt., 85c. (Stock is exceedingly short).

Beans are a good crop to grow extensively. They can be used in so many different ways and are exceedingly nutritious. Plant a lot of them.



## MICHELL'S NEW ONION

**Winter Keeper (Yellow).** In most every garden, no matter how small, the onion has a place. This variety is being offered by us for the first time this season after having observed it during the previous two years. It has a rather distinct shape readily seen by referring to the front cover page, the illustration being also its natural color and size. It can be grown in one season from seed to a full-sized onion if sown early and thinned out. It is remarkably solid; keeps well into the early summer and is not too strong in flavor. We predict a big future for the variety on account of its many desirable qualities. 10c. pkt., 30c. per 1/2 oz.; oz., 60c.; \$1.75 per 1/4 lb.; \$6.00 lb.

Have you noticed the peculiar shape of this onion? It certainly is distinct from any other variety grown to date.

## CARROT

**Orange Beauty.** Carrots form an important crop for winter food. This is a 1/2 long point rooted variety of very fine grain, sweet and tender. As an early sort to sow in hot bed or garden it is well suited, while for garden culture it cannot be surpassed; grows remarkably uniform, of good size, and is a wonderful cropper. Just the sort for the home garden or commercial truck patch. Pkt., 10c.; 15c. per 1/2 oz.; oz., 25c.; 75c. per 1/4 lb.

We wish to thank you for your way of doing business and will heartily recommend you to our friends and customers who should not happen to know you, believing that by dealing with you they will gain.

DALE & YOST, Philadelphia.

## TOMATO—Michell's Extra Early Crackerjack

The "distinctive" qualities of "Crackerjack" are numerous. The earliest Tomato to ripen in Pennsylvania. A continuous bearer, producing fruits right up till frost. The most abundant producer of any tomato we know. An absolutely smooth fruit, colored equally alike. Never cracks, except when overripe and left on vine. All fruit is of even size, and every fruit can be used. Grows in clusters from 5 to 10 perfect tomatoes. Fruit is of medium size and of a brilliant rich scarlet. Fruit when cut discloses solid meat and little seed. Its flavor is very agreeable and a favorite with everybody. The firm flesh makes it an ideal shipper. "Crackerjack" for the home garden. We highly recommend this variety for forcing under glass. Per pkt., 10c.; 1/2 oz., 30c.; 60c. per oz.

All qualities, which recommend it to you.

**SPECIAL OFFER:** 1 Packet of each variety Vegetable Seed offered on this page for 50c. postpaid. Just order the Michell Cottage Garden Vegetable Collection and you'll get the best of their kind.

# MICHELL'S VEGETABLE SEED SPECIALTIES



## CELERY—Easy Blanching

This variety, without exception, is probably the most important celery introduction in recent years. The bunch photographed, from which the opposite illustration was made weighed, October 2nd, 13½ lbs., measured about 15 inches through in breadth and about 30 inches high, and realizing that it had at that time fully 30 days to grow and develop, it can instantly be appreciated that it is a remarkable variety. The stalks are broad, fine grained and crisp, with a big heart that blanches a beautiful white with yellow leaf tips. As a celery for early autumn and Thanksgiving, we believe it has no equal. Pkt., 15c.; ½ oz., 30c.; oz., 60c.; ¼ lb., \$2.00.

## THE BALL CELERY BLEACHER

A practical, inexpensive device for bleaching celery early, made of stiff, heavy paper. A boy can put them on the plants at the rate of from 3000 to 5000 per day, so the work end is small. If the tubes are to be left on the plants all winter and the soil drawn around them, you get celery clean and sweet, ready for the table almost without washing.

		Per 50	Per 100	Per 1000
No. 1.	6 x12 in.	Wt. per 100, 8 lbs.	\$1.10	\$2.00
No. 2.	6½x13 in.	Wt. per 100, 10 lbs.	1.25	2.25
No. 3.	7 x14 in.	Wt. per 100, 14 lbs.	1.50	2.75
				20.00



## PE-TSAI (Chinese or Celery Cabbage)

The American gardener as well as housewife will hesitate, in thinking, that anything of Chinese origin would be suited to their taste. This, however, is not the case with the Chinese Cabbage. The plant is of upright growth, about 15 inches, sometimes more, sometimes less, soil conditions governing. It resembles in appearance and growth a head of Cos Romaine or Celery Lettuce, but possesses the attractive curly feature of Silesian Lettuce, and a broad, wide rib. The heads are very firm, almost like Cabbage. The flavor is delightful, not at all like Cabbage, but rather on the order of Witloof Chicory or French Endive. It may be served like lettuce, tasting better with salad dressing, or it makes excellent Cole Slaw when it is prepared exactly as one would prepare Cole Slaw from Cabbage. It may also be cooked as one would Cabbage, the flavor somewhat resembling Cauliflower. It can be planted as a spring or autumn crop; for latter the seed is sown in July. The head does not become as high then as when sown in spring, and is adapted in that season rather as a Lettuce than as Cabbage. May be forced readily in cold frame. We are convinced that this vegetable will become popular very shortly. The small plants are handled much like Lettuce, except that they should be set out from 15 to 18 inches apart, the rows 2 to 2½ feet apart. They prefer naturally low or moist garden soil, although they will thrive in almost any soil conditions. Pkt., 10c.; ½ oz., 15c.; oz., 30c.; ¼ lb., \$1.00.



Celery—Easy Blanching

## PEPPER—Pimiento

A sweet species without any trace of burning when eaten alone or used in the preparation of other dishes. The plant is compact and uniform in growth, while the fruits are perfectly smooth and attractive. When fully ripe they are bright red, although they can be used in the green state. For slicing on tomatoes, salads, etc., they are delicious; while, used stuffed and baked, they are equally pleasing. This may be considered one of the best peppers for the home garden. Pkt., 10c.; 30c. per ½ oz.; per oz., 60c.; \$2.00 per ¼ lb.

**Pe-Tsai.** Since writing our description we have seen splendid specimens of this remarkable vegetable, weighing from four to six pounds, grown in less than two months. They have been exhibited in many store windows, where they attracted much attention. Every one wants to grow it. We are told that in Washington and New York the high-class hotels have paid 50 cents and 75 cents for all specimens they could get, owing to the great demand by their patrons. It should prove a profitable investment, considering that it can be grown as a second crop.



# MICHELL'S VEGETABLE SEED SPECIALTIES

## ONION—Michell's White Bermuda

(Illustration is about 2/3 natural size.)

Many people who garden like to sow onion seed that will produce a full-sized onion the first season. The White Bermuda variety combines this feature, in addition to being extremely large, mild-flavored and of wonderful uniformity. For boiling, eating raw, on sandwiches, or as garnishing on green salads, it is unquestionably the best. To get the best results, the seed should be sown in a bed thinly. When about 3 or 4 inches high, transplant the seedlings in rows about 1½ feet apart, setting the seedling about 4 or 5 inches apart in the row. A dull day is best for this, when the soil is moist, to insure the seedlings establishing themselves readily. Prior to planting, the top should be nipped off so that the plants will stand about 2½ inches high. This variety, like all onions, delights in rich soil. They should be well cultivated during the growing period, and when the seed heads appear the plant should be bent over to develop the bulk. Pkt., 10c.; 30c. per ½ oz.; 1 oz., 50c.; \$1.75 per ¼ lb.; lb., \$6.00.



Michell's White Bermuda Onion

## MELON—Honey Dew

(See illustration below.)

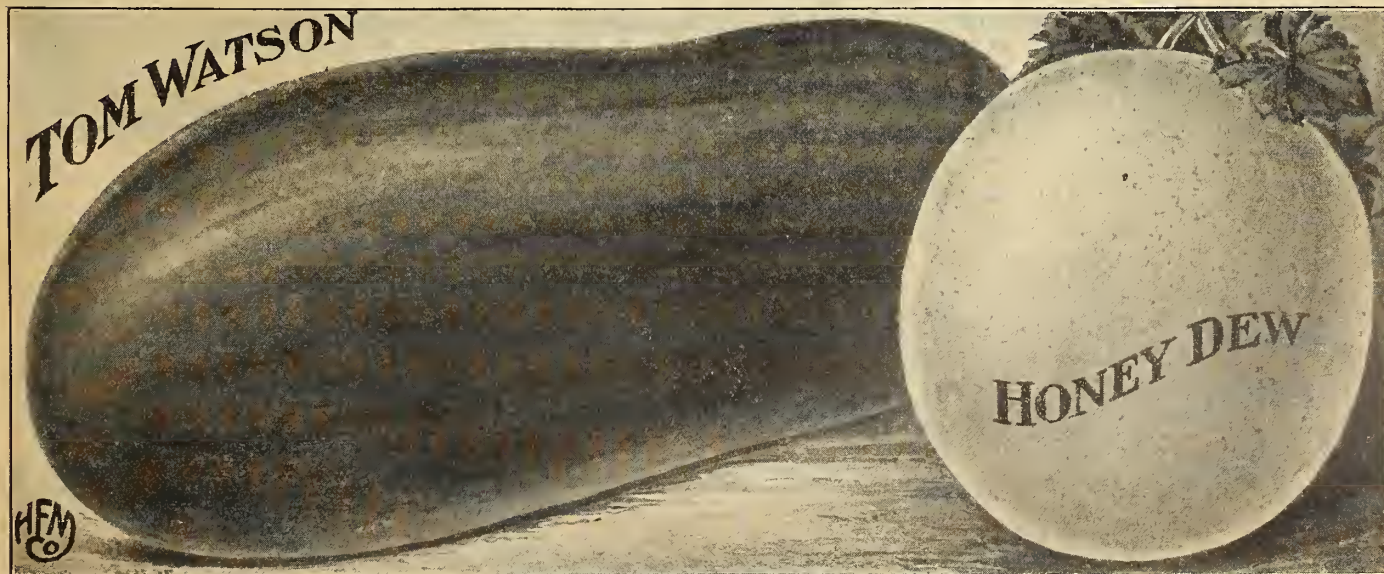
The original seed of this came from Africa; was planted in Rockyford, Colorado, and crossed with the famous Rockyford Melon. It is offered extensively in the Philadelphia markets as late as November and brings big prices. It might easily be termed a family melon because one is large enough for a number of people. It is large in size, being six inches in diameter and from seven to eight inches long. The skin is smooth with an occasional net, is creamy white. The thick flesh is emerald green melting and of a wonderfully delicious flavor, sweet as honey. The ripe melons can be kept in a suitable place for several weeks before using. In fact, they can be placed in cool storage and kept until Christmas. Pkt., 15c.; 25c. ½ oz.; oz., 40c.; ¼ lb., \$1.50.

## WATER MELON—Tom Watson

When first introduced a few years ago this variety was heralded as the best yet, and undoubtedly it still deserves this distinction. A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh which, by the way, is of splendid texture and flavor; the sugary meat really melts in your mouth. The interior is solid meat with no cavity or core, while the flesh extends closer to the rind than most other sorts. Nothing can touch it in the melon line for shipping qualities; the rind being tough it will resist plenty of abuse. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

## MELON—Delicious Gold Lined

Everyone who relishes canteloupes appreciates a good Rockyford melon. "Delicious Gold Lined" is an improved strain on type of the former. The fruits are medium in size, uniformly oval, while the vines are wonderful resisters of most diseases that attack canteloupes. It is an early maturer and extremely prolific; beautifully netted a light gray. The flesh is green, edible to the rind, while the small seed cavity is surrounded by a tint of light orange overlaying the inner part of the fruit. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb. (See illustration, page 25.)



Rosemont Farm, Berryville, Clarke County, Va.  
Your lawn grass seed came up fine, although the weather here is unusually cold and wet. All your seeds seem to come up very well in this climate.

ALFRED HARDING.

Dear Harry: I want you to order for me the following list of seeds of Henry F. Michell Co. and send them to me at once. I have grown their seeds and they beat anything that I have had yet.—From CAPT. JESSE M. BAKER, Quartermaster, U. S. Army, Philippine Islands.

# THREE SPLENDID GARDEN PEAS

## MICHELL'S SPECIAL EXTRA EARLY

The peer of all smooth-seeded sorts. The vines are about 24 inches high, the pods  $2\frac{1}{2}$  to 3 inches long; of 5 to 7 peas each. The delicious flavor and sweetness, the tender quality and smoothness of Michell's Special Extra Early is well known to many satisfied customers. The extreme earliness of this sort distinguishes it from all others, as it produces the earliest crop of this delicious vegetable. Its hardiness enables it to be planted as soon as the frost is out of the ground. Be sure to include some of this variety in your order. Pkt., 10c.; 35c. per pt.; per qt., 65c.; \$2.50 per 4 qts.

## THE PILOT OR LEADER (See Illustration)

A valuable early variety, smooth seeded, yielding large pods and peas rivaling in size with Gradus. A strong, vigorous grower, which means a heavy cropper. The flavor is splendid and its general habit will commend it to all planters. This variety is best for planting just ahead of the early wrinkled sorts. It grows about 3 ft. in height, and consequently will yield best if supported with brush, wire or trellis. The pods are well filled and hang in pairs, which makes it easy to pick. Pkt., 10c.; 35c. pt.; qt., 65c.; \$2.50 for 4 qts.

## THE HARVESTER (New)

A grand home garden variety, being a second early wrinkled and exceptionally sweet. It grows about 18 inches high, and is an enormous yielder. It was first introduced some three years ago, and is now regarded as a standard. Last season the stock was short, so that many orders, therefore, could not be filled; while for this season we have again been fortunate in securing a good yield, so that we believe all orders can be cared for. Pkt., 10c.; 35c. per pt.; qt., 65c.; \$2.50 for 4 qts.

Special Offer—1 pint of each of the above varieties for 95c.

**NOTE.**—If peas are wanted by mail, add postage at the rate of 1 lb. per pint.

Metuchen, N. J.

Dear Sirs:—The celery plants I ordered arrived in excellent condition Friday morning, July 25th. Thanking you for the prompt shipment, I am

Yours truly,

R. J. CLARKE.



The Pilot or Leader

# MICHELL'S COLLECTIONS OF VEGETABLE SEEDS

SAVE YOUR MONEY

SAVE YOUR TIME

These collections contain the best varieties in the class of vegetables offered. They are made up with care and thought and will appeal to many. They are put up in advance of our busy season and for that reason represent a considerable saving to you in money and no change can be made in the collections.

## CITY GARDEN COLLECTION

Contains 1 liberal packet of each of the following for \$1.00, Postpaid.

Value if bought separately, \$1.25.

**Beans**—Red Valentine, Black Wax.  
**Beet**—Eclipse Early; Bastian's Half Long Late.  
**Carrot**—Chantenay.  
**Corn**—Country Gentleman, Late; Golden Bantam, Early.  
**Kale**—Imperial.  
**Lettuce**—Boston Market.  
**Onion**—Red Wethersfield.  
**Parsley**—Moss Curled.  
**Parsnip**—Hollow Crown.  
**Peas**—Dandy, Extra Early; Dwarf Champion.  
**Radish**—Round Red; Strasburgh White.  
**Swiss Chard**—Lucullus.  
**Tomato**—Stone.  
**Turnip**—White Flat Dutch.

## SUBURBAN GARDEN COLLECTION

Contains a liberal package (except as noted) of each of the following for \$2.50, Postpaid.

Value if bought separately, \$3.25.

**Beans**—Red Valentine, 1 pt.; Black Wax, 1 pt.; Fordhook Bush Lima.  
**Beet**—Eclipse Early; Bastian's Half Long, Late.  
**Carrot**—Chantenay.  
**Corn**—Country Gentleman, Late, 1 pt.; Stabler Extra Early, 1 pt.  
**Kale**—Imperial.  
**Lettuce**—Boston Market, Early.  
**Lettuce**—Salamander, Late.  
**Onion**—Danvers Globe.  
**Parsley**—Moss Curled.  
**Parsnip**—Hollow Crown.  
**Peas**—Dandy, 1 pt.; Dwarf Champion, Late, 1 pt.  
**Radish**—Iceicle.  
**Swiss Chard**—Giant Lucullus.  
**Tomato**—Stone.  
**Turnip**—Yellow Aberdeen.

## COUNTRY GARDEN COLLECTION

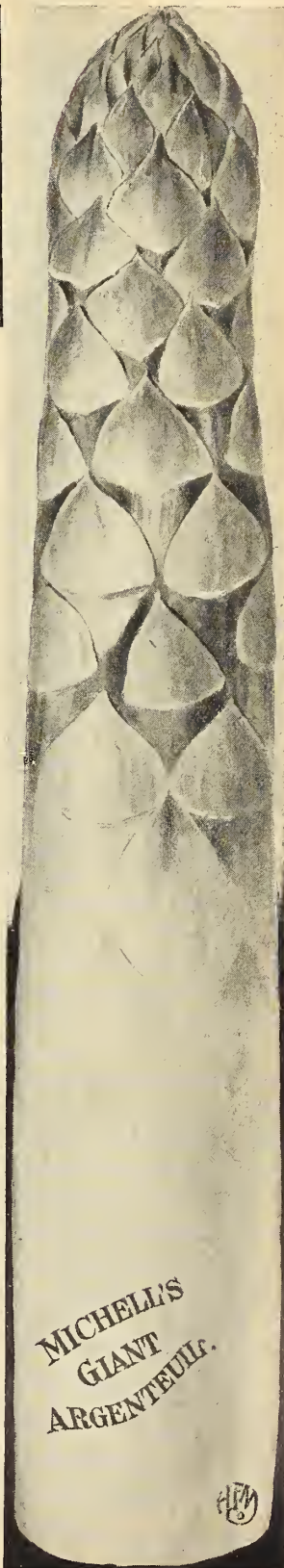
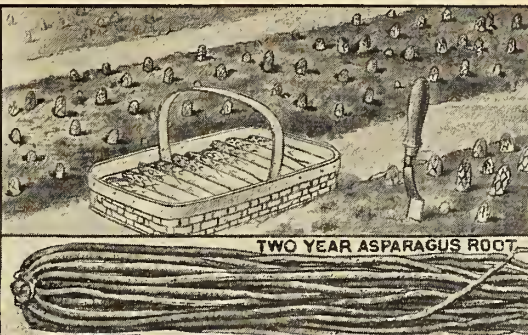
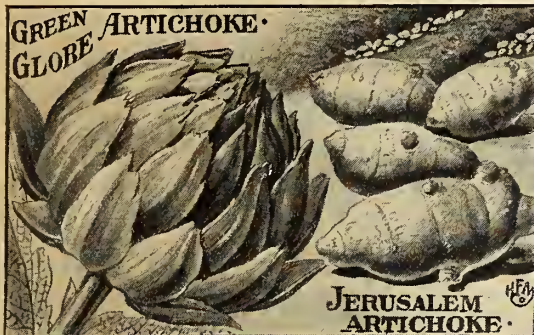
Contains 1 packet each (except where noted) of the following. Sent Postpaid for \$3.25.

If bought separately, value would be \$4.10.

**Beans**—Refugee, 1 pt.; Golden Wax, 1 pt.; Fordhook Bush Lima; Giant Podded Pole Lima.  
**Beet**—Winter Keeper; Crosby's.  
**Carrot**—Early Short Horn; Long Orange.  
**Corn**—Country Gentleman, 1 pt.; Stowell's, 1 pt.; Golden Bantam.  
**Kale**—Imperial.  
**Lettuce**—May King; Hanson.  
**Onion**—Silverskin; Danvers.  
**Parsley**—Moss Curled, 1 oz.  
**Parsnip**—H. Crown, 1 oz.  
**Peas**—Little Marvel, 1 pt.; Gradus, 1 pt.; Dairy or Dwarf Telephone, 1 pt.  
**Radish**—Iceicle; Round Red.  
**Swiss Chard**—Lucullus, 1 oz.  
**Tomato**—Earliana; Stone.  
**Turnip**—Purple Top, Flat.

All prices subject to change without notice

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## ANISE (See Page 37)

### ARTICHOKE

Artichaut (Fr.); Artichoke (Ger.); Alcachofa (Ital.) One Ounce will produce about 500 plants.

Sow seeds in January in the greenhouse or in hot-beds in March or outdoors in May. If sown outdoors transplant when large enough in rows 3 feet apart, 2 feet apart in the row. Cultivate when growing, freely, and protect the plants in winter by taking them in a cellar or in a cold frame, or they may be left outdoors protected by straw.

Green Globe. Pkt., 10c.; 40c. 1/2 oz.; 1 oz., 75c.

### ARTICHOKE PLANTS

Green Globe (Ready in April)

We grow a large stock of these, for those who do not care to bother with them from seed; thus they can be assured of an early crop. Pot grown. \$1.50 per doz.; 25 for \$2.50; \$10.00 per 100 (by express).

### ARTICHOKE ROOTS

Jerusalem (Ready in April)

Sometimes called the American Artichoke. Used for table and stock feeding. Cut the tubers to single eyes and plant them like potatoes, 3 to 4 feet apart each way, placing three or four tubers in a hill. Leave the tubers in the ground and dig them as wanted; they are hardy. 25c. qt.; peck, \$1.25; \$4.00 per hu. of 60 pounds.

### ASPARAGUS

Asperges (Fr.); Spargel (Ger.); Esparrago (Ital.) Sow 5 lbs. per acre for roots, or 1 oz. to a 100 ft.

Asparagus grows easily in almost any good soil, but best results are obtained in well-enriched, deeply-dug, sandy loam. A well-cared for bed improves with age and lasts for many years. It may be established from seed, but much time is saved by planting roots. Seed should be sown thinly in early spring in rows 1 foot apart. Thin out the weakest plants so the remainder will be 4 inches apart. When 1 year old transplant in the permanent bed in rows 3 ft. apart, setting the roots 1 ft. to 1 1/2 ft. apart, from where it can be cut three years later. "Michell's Leaflet on Asparagus Culture" gives full information and is mailed free.

**Michell's Giant Argenteuil (Special Strain).** Of all the varieties that we have extensively tried, this has been found to excel, both from a point of productiveness, tenderness, earliness and resistance to diseases. In size it is a giant. A marketable shoot or spear is often two inches in diameter and 12 inches long, of which every part when boiled is tender and delicious. It is the one variety that succeeds well in all soils and climates. Color, pure white, with a greenish purple tip. Pkt., 10c.; 20c. per oz.; 1/4 lb., 40c.; \$1.25 per lb.

**Barr's Mammoth.** A variety producing heavy, stout spears, of delicious flavor. Remains green when cooked. A very popular sort. Pkt., 5c.; 10c. per oz.; 1/4 lb., 25c.; 80c. per lb.

**Conover's Colossal.** A prolific sort, similar to Barr's Mammoth, but the stalks are a trifle larger and lighter in color. Pkt., 5c.; 10c. per oz.; 1/4 lb., 25c.; 60c. per lb.

**Palmetto or Eclipse.** One of the earliest, producing uniform stalks. Prolific and finely flavored. Color, green. Pkt., 5c.; 10c. per oz.; 1/4 lb., 25c.; 60c. per lb.

### ASPARAGUS ROOTS

(Ready after March 1st)

4000 to 6000 roots required for an acre.

	2-Year-Old Roots.			
	Doz.	100	500	1000
Barr's Mammoth	\$.25	\$1.25	\$4.00	\$7.50
Conover's Colossal	.25	1.25	4.00	7.50
Giant Argenteuil	.25	1.25	4.00	7.50
Palmetto or Eclipse	.25	1.25	4.00	7.50

	3-Year-Old Roots			
	Doz.	100	500	1000
Barr's Mammoth	\$.35	\$1.75	\$7.00	\$13.50
Conover's Colossal	.35	1.75	7.00	13.50
Giant Argenteuil	.35	1.75	8.00	15.00
Palmetto or Eclipse	.35	1.75	7.00	13.50

### ACCESSORIES TO ASPARAGUS GROWING

**Raffia Tape.** A linen and paper composition in 250-yard spools; Nile green color. 75c. per bolt.

**Asparagus Tape.** Fast cherry red color, water-proof; in 1000-yard spools. Per spool, \$4.25.

**Raffia.** Ideal for tying asparagus in bunches, in a neat and economical manner. 1/4 lb. lb. 5 lb.

Natural ..... \$0.35 \$1.50  
Colored ..... .25 .85

**Jute Twines.** For tying asparagus, 2, 3 and 5-ply, in halls, soft and pliable. Per hall, 15c.; 30c. per lb.

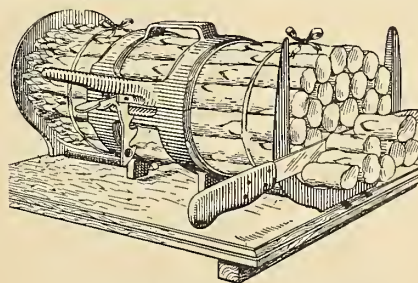
**Asparagus Salt.** Applied in the spring for destroying weeds; 600 to 800 lbs. per acre. \$1.25 per 100 lbs.; 200 lbs., \$2.25; \$15.00 per ton.

**Asparagus Fertilizer.** Compounded after a formula recommended by a leading asparagus grower; apply 600 lbs. per acre. \$3.00 per 100 lbs.; 200 lbs., \$5.50; \$42.50 per ton.



### ASPARAGUS KNIVES

Asparagus Knife, Bateman's	.....	\$0.50
Asparagus Knife, American. V-shaped blade, short handle	.....	.60
Asparagus Knife, No. 3. American. V-shaped blade, long handle	.....	.75



### ASPARAGUS BUNCHER

It pays to use a buncher. It is quickly tied and looks uniform. With Knife Guard, \$3.00. P. P. Wt., 7 lbs.

A Book, entitled *Asparagus Culture*, by Hexamer, will solve any of the problems that may arise in growing this crop. Price, 50c. postpaid.

# MICHELL'S DWARF BEANS

Large Packets of Beans, all varieties (except as noted), 10c. postpaid.

Haricots Nains (Fr.); Buschbohnen (Ger.); Faginoli Nani (Ital.).

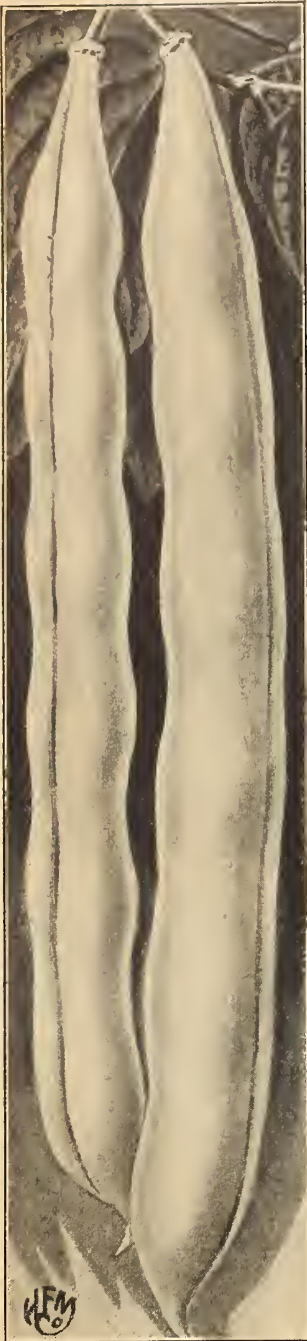
Plant  $1\frac{1}{2}$  bushels per acre. 1 qt. will plant 100-foot row. If desired by mail, add for postage at the rate of 5c. per pint to the price of the beans.

## GREEN-PODDED VARIETIES

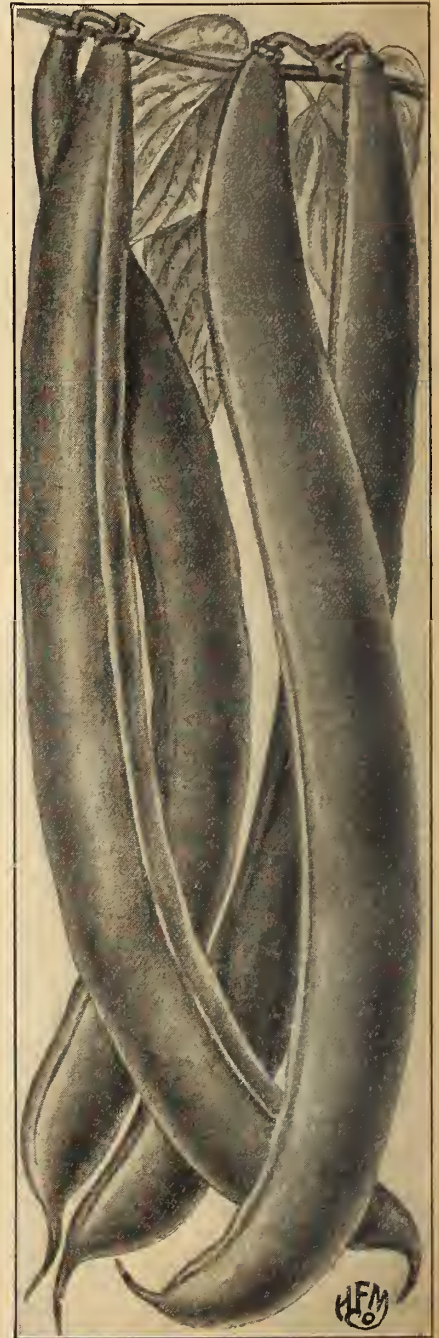
- Best of All.** A highly desirable sort for private garden use; the pods are long, set early and yield in great abundance; very tender. Per pt., 35c.; 65c. per qt.
- Black Valentine.** Pods very long and slender, semi-round and well flavored, slight string when old. Per pt., 35c.; 65c. per qt.
- Early Long Yellow Six Weeks.** The word yellow refers to the seed only, pod flat, very early, tender and long, slight string when old. Per pt., 35c.; 65c. per qt.
- Early Mohawk.** This variety can be planted before any other sort, being quite hardy, large cropper, flat pod. Per pt., 35c.; 65c. per qt.
- Extra Early Refugee.** An extremely early, fleshy, saddle-back-pod variety, slight string as it ages. 40c. per pt.; per qt., 75c.
- Glory St. Andrew (New).** See page 4 for better description. Round podded medium early dwarf grower, a great cropper. Pkt., 15c.; 50c. per pt.; per qt., \$1.00.
- Longfellow.** A splendid green string bean, with extra long, round, well-formed pods; tender, medium early and delicious; very prolific and profitable to grow, has a slight string when old. 35c. per pt.; per qt., 65c.
- Mammoth Stringless or Giant Valentine.** An improvement on Burpee's Stringless Green Pod, early round pod, free from string and, while not so prolific, makes a much larger pod. Per pt., 45c.; 85c. per qt.
- Red Valentine (Usual Strain).** This is the old-fashioned favorite, from which the Improved strain is a distinct selection. 40c. per pt.; per qt., 75c.
- Red Valentine (Michell's Improved).** A carefully selected stock of this well-known variety; its popularity is due to the fact that it is one of the earliest sorts, maturing often in 45 to 50 days. 45c. per pt.; per qt., 85c.
- Stringless Green Pod (Michell's Improved Strain).** Even when the pod has become quite old it still retains its stringless qualities. It recommends itself also by its extreme earliness, prolific and continuous bearing qualities and superior flavor. Can be planted successively through the season; its handsome round pods often seven inches long. The leading sort for the home or market garden, extra early. Pt., 45c.; 85c. qt.
- Stringless Green Pod (Usual Strain).** While this is a good type, the Improved Strain offered above is worth the difference. Pt., 40c.; 75c. qt.
- Sion House.** A round-podded sort, suited to forcing. A great producer, excellent also for planting outdoors. 50c. per pt.; per qt., \$1.00.
- Triumph of the Frames.** For forcing this is especially desirable, pods are round, thin and tender, very long. Suitable for outdoor planting. Per pt., 50c.; \$1.00 per qt.

## WAX OR YELLOW-PODDED VARIETIES

- These should not be planted quite as early as the green varieties. They being more tender are liable to rot.
- Black or German Wax (Pencil Pod Strain).** A round-podded, hardy sort, entirely stringless, very early and desirable. Per pt., 45c.; 85c. per qt.
- Currie's Rust-Proof Wax.** An improved type; extra early; a tremendous yielder with long, thick, flat pods, which has a slight string when old. Per pt., 45c.; 85c. per qt.
- Davis' White Wax.** A long, slender, thick, flat-podded sort, almost white, very fine; slight string when old. Per pt., 50c.; 90c. per qt.
- Golden Wax Rust Proof (Michell's Improved Strain).** This type far surpasses the old favorite in many points; the plants are very vigorous and thereby rust-resisting. The thick, flat, stringless pods are formed quite early and in great profusion. The handsome masses of golden beans are very uniform, being broad, thick and almost solid flesh, exceedingly tender and brittle, with no coarse or fibrous growth during any period of development. Per pt., 40c.; 75c. per qt.
- Golden Wax Rust Proof (Usual Strain).** Per pt., 45c.; 85c. per qt.
- Mont d'Or (New).** (See page 4 for complete description.) Round-podded medium early, heavy cropper, dwarf compact grower. Pkt., 15c.; 50c. pt.; qt., \$1.00.
- Round-Podded Kidney Wax.** A vigorous grower, producing very fleshy pods, entirely stringless and rust-proof; very early. Per pt., 50c.; \$1.00 per qt.
- Valentine Wax.** The earliest wax bean in cultivation; pods round, rust-proof and very fleshy; entirely stringless. Per pt., 45c.; 85c. per qt.
- Wardwell's Kidney Wax.** A favorite market-bean; bears very long, thick, flat pods in great abundance; one of the best medium early sorts; excellent quality; free from rust; a reliable cropper. Per pt., 50c.; \$1.00 per qt.
- INOCULATING BACTERIA FOR GARDEN BEANS.** A high-grade nitrogen bacteria used in growing garden beans, produces wonderful results. 25c. per garden size bottle;  $\frac{1}{4}$  acre bottle, 50c. See page 47.



Improved Strain Golden Wax



Black Valentine

All Prices subject to change without notice.

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# MICHELL'S DESIRABLE POLE BEANS (Not Limas) 11

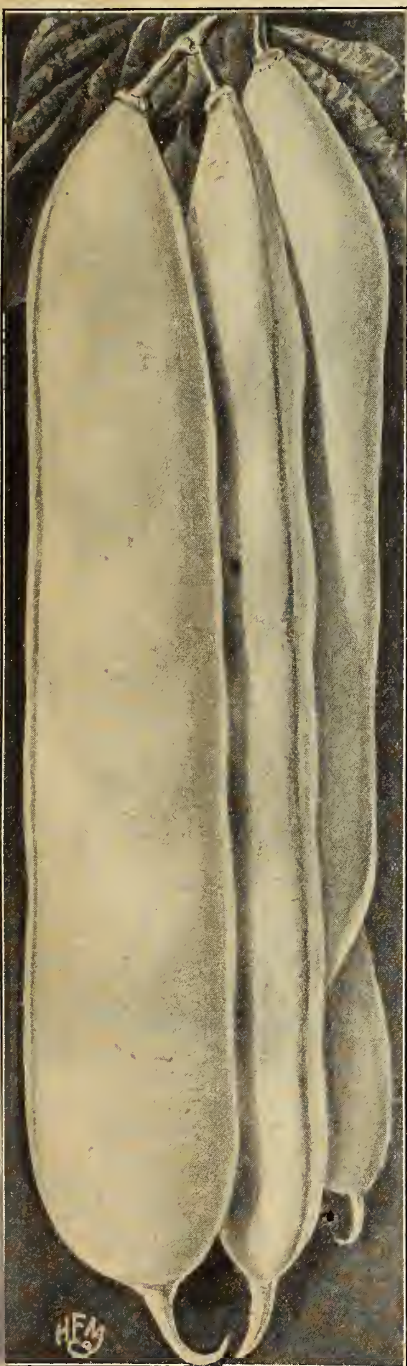
Plant as you would limas, in hills 4 feet apart each way, about 4 or 5 beans to the hill, eyes downward. When up and established, thin out to 3 plants in a hill. About 10 quarts to the acre.

**Haricots a Rames (Fr.); Stangenbohnen (Ger.); Figiuoli (Ital.)**

**LARGE PACKETS** of all Varieties, except as noted, 10c. postpaid.

Plant when all danger of frost or cold nights is over. Don't be afraid to put a liberal number in a hill, as this is cheaper than replanting; often one bean germinates where another won't, even on the same hill.

Pole Beans are not accorded in the north the same attention they deserve and receive in the southern part of the United States, where they are found in practically every garden. They are frequently more tender, yield larger crops than dwarf sorts. One planting lasts usually for the season. The secret of success in growing them is to keep picking them as they mature. They then continue to bear and yield quantities of tender beans of delicious flavor. If you've never grown them before try them this season.



Golden Cluster Wax

If Pole Beans are desired by mail, add 5c. per pint to the price of the seed.

**Early Golden Cluster Wax.** A beautiful deep yellow pod, flat and frequently 8 inches long, makes a delicious dish as a butter bean or for pickling; quite stringless and matures in about 85 days. It is a heavy yielder, the pods being borne in large clusters. Quite easily the best of the pole beans and a splendid variety for the home garden. Pt., 60c.; \$1.10 per qt.

**Horticultural or Speckled Cranberry (Green Pod).** Used principally as a winter shell bean, though desirable for use as a green string bean. The pods are very long and the variety is a wonderful producer. It is a late variety, and on account of yielding from 9 to 12 beans in a pod, it is especially desirable for winter shelling. Pt., 40c.; 75c. per qt.

**Scarlet Runner (Green Pod).** While used principally for its flowering qualities, this makes a splendid winter shell bean. The bright red flowers are an attraction when the vine is used for covering arbors, trellis, fences, posts, etc. 50c. pt.; per qt., \$1.00.

**Kentucky Wonder (Old Homestead).** Green Pod. In the south this variety is grown more extensively probably than any other; a tremendous yielder of long pods, very tender and practically stringless. It is round podded and really the best of the green pole beans. It is quite early, being ready for picking about 85 days from planting. Pt., 50c.; \$1.00 per qt.

**Lazy Wife (Green Pod).** Remarkably productive, flat podded. It is produced in big clusters, which makes it easy to harvest. It yields from early to late. It is thick and fleshy, yet very tender. Cooks splendidly with a distinct buttery flavor. The pods are usually 6 inches long. Pt., 60c.; \$1.00 per qt.

## SHELL BEANS FOR WINTER USE

If there is any vacant space in the garden it always pays to plant some of these varieties. For soups, baked beans, etc., they are always useful. They can be used in the green state like other sorts, but for the first-named purpose they are best.

**Boston Navy or Pea.** For soup and baking purposes. Per pt., 30c.; 60c. per qt.

**Broad Windsor.** An English bean used in the dry state shelled. Plant in rows about 3 feet apart, about 8 inches apart in the row. Per pt., 35c.; 65c. per qt.

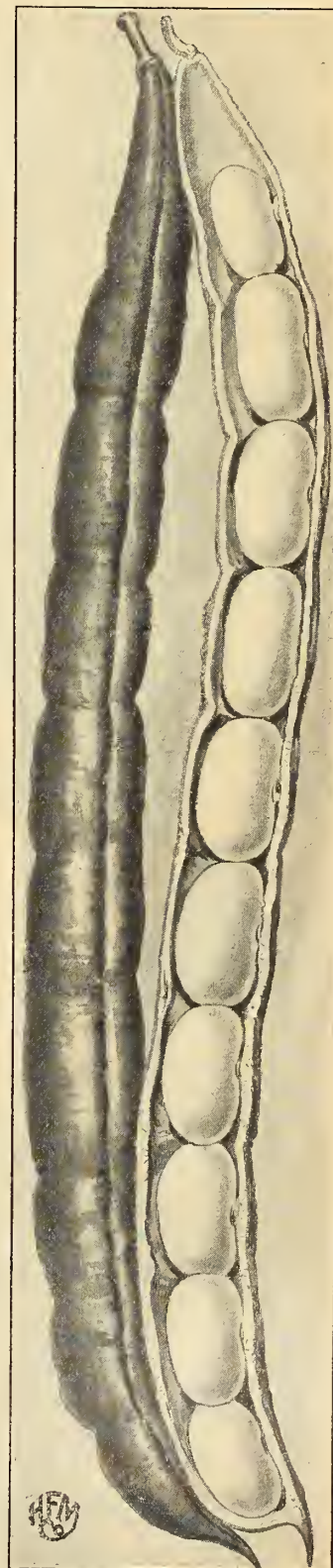
**White Kidney or Royal Dwarf.** Per pt., 30c.; 60c. per qt.

**White Marrowfat.** Per pt., 30c.; 60c. per qt.

**Dwarf Horticultural.** One of the best early shell beans grown, the thick, flat, stringless pods are colored red and green, the bean is large, round and speckled. Per pt., 35c.; 65c. per qt.

### NOTE ON THE BEAN CROP

For a number of years beans have been an abnormally short crop, despite the efforts put forth the past season, which resulted in a much larger acreage being planted than ever before in the history of seed growing; for many reasons the crop was shorter than ever. Beans should be ordered early. There will not be near enough to supply the demand, even at high prices.



Kentucky Wonder Bean

### CEDAR BEAN POLES (Pointed)

Extra selected quality, about 10 feet long. 12 for \$1.75; 25 for \$3.25; 50, \$6.25; 100, \$12.00.

All Prices subject to change without notice

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# MICHELL'S LIMA BEANS

Haricots a rames (Fr.); Stangenbohnen (Ger.); Figiuolo di Lima (Ital.).

## POLE VARIETIES

One quart will plant 100 hills; 12 to 15 qts. per acre.

Plant when all danger of frost or cold nights is over with the eye of the bean down. Don't be afraid to put a liberal number in a hill, as this is cheaper than re-planting; often one bean germinates where another won't, even on the same hill. When all the beans have germinated that will grow, leave 3 or 4 remain in the hill. The poles should be set as soon as the garden is made in rows about 3 feet apart, with the poles about 3 ft. apart in the row. It is a good plan to put a small shovelful of well-rotted cow manure in each hill when the poles are set, so the beans when started will make rapid growth and mature early.

**Large Pkts. of all Varieties Lima Beans** (except where noted). Postpaid, 10c. If large quantities are wanted by mail, add 8c. per pint for postage.

**Carpinteria.** A variety that retains its green color in all stages of growth, even after being dried; with this it combines wonderful prolificness, flavor and size; a good early variety; 4 to 5 beans in a pod. Pt., 40c.; 75c. per qt.; 4 qts., \$2.75.

**Dreer's Improved Potato or Challenger.** Early and more prolific than the Large Lima; beans small, extra quality. 40c. per pt.; per qt., 75c.; \$2.75 per 4 qts.

**Giant Podded.** This variety is fully a week earlier than King of the Garden. It is a prodigious cropper, producing its pods in large clusters. These are well filled with large beans of excellent quality. Pkt., 15c.; 45c. per pt.; per qt., 85c.; \$3.00 per 4 qts.

**King of the Garden.** Vigorous grower, producing a continuous bloom and fruitage to extreme end of season. Pods are of enormous size, many specimens measuring from 5 to 8 inches, producing as high as six beans to the pod, perfectly formed and of superior quality. 40c. per pt.; qt., 75c.; \$2.75 per 4 qts.

**Michell's Evergreen** (see illustration of this variety on page 4). A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other, and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. The pods hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. All who grow limas should have this valuable variety in the home or market garden. Pkt., 15c.; 45c. per pt.; qt., 85c.; \$3.00 per 4 qts.

**Michell's Selected Large Jersey.** The real old-fashioned large lima that has been a favorite for years. Has proven exceedingly satisfactory; beans are very tender and luscious. An extra selection of seed stock; large fine beans, all hand picked. 40c. per pt.; qt., 75c.; \$2.75 per 4 qts.

## BUSH or DWARF VARIETIES

Bush Limas should be planted for early crops, as they come into bearing much sooner, but are not so prolific as the pole varieties. They are usually planted in rows about 3 feet apart, while the beans are put in hills about 2 feet apart, about 3 beans to the hill.

**Burpee's Improved Bush Lima.** This is so far ahead of the old strain of Burpee's Bush Lima that it should be used instead; the bean is thicker, sweeter and earlier, being also more prolific. Pt., 50c.; qt., 85c.; 4 qts., \$3.00.

**Fordhook.** This is the best type of bush lima in cultivation; it has a distinct upright vigorous growth; the pods which

are borne in clusters well above the ground, frequently contain as many as 4 thick luscious beans. It matures very early and continues in bearing till frost. Pt., 50c.; qt., 85c.; 4 qts., \$3.00.

**Henderson's.** The earliest sort; beans are flat, very small and tender, of excellent flavor; splendid variety for canning. Pt., 40c.; qt., 75c.; \$2.75 for 4 qts.

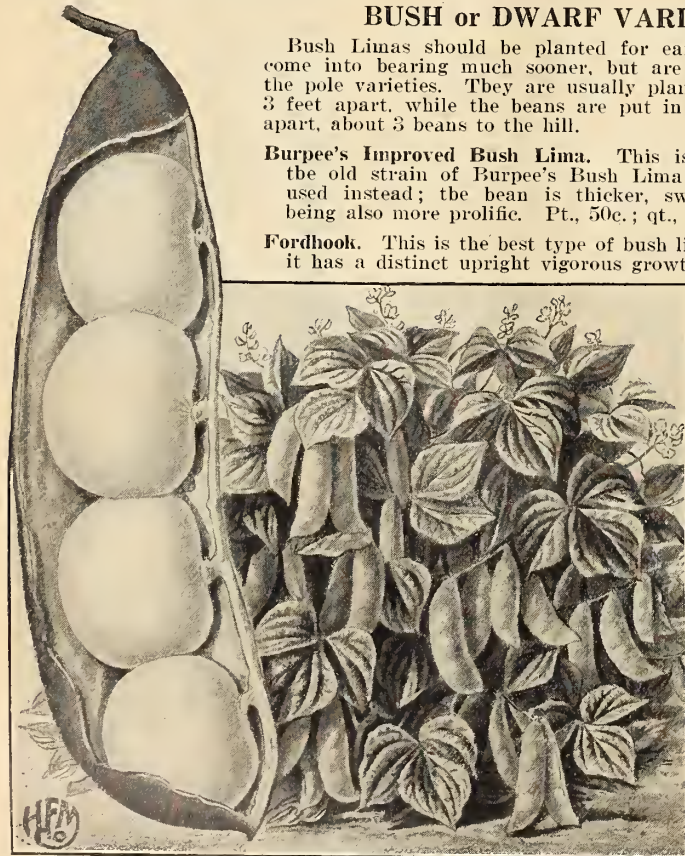
## MULFORD GERM (Bean Bacteria)

If you want your lima bean patch to yield earlier, better and more beans than usual, inoculate the seed before planting with Mulford Germ; easy to use, effective in results, making the soil richer. Per trial bottle, 25c.; per quarter acre bottle, 50c.

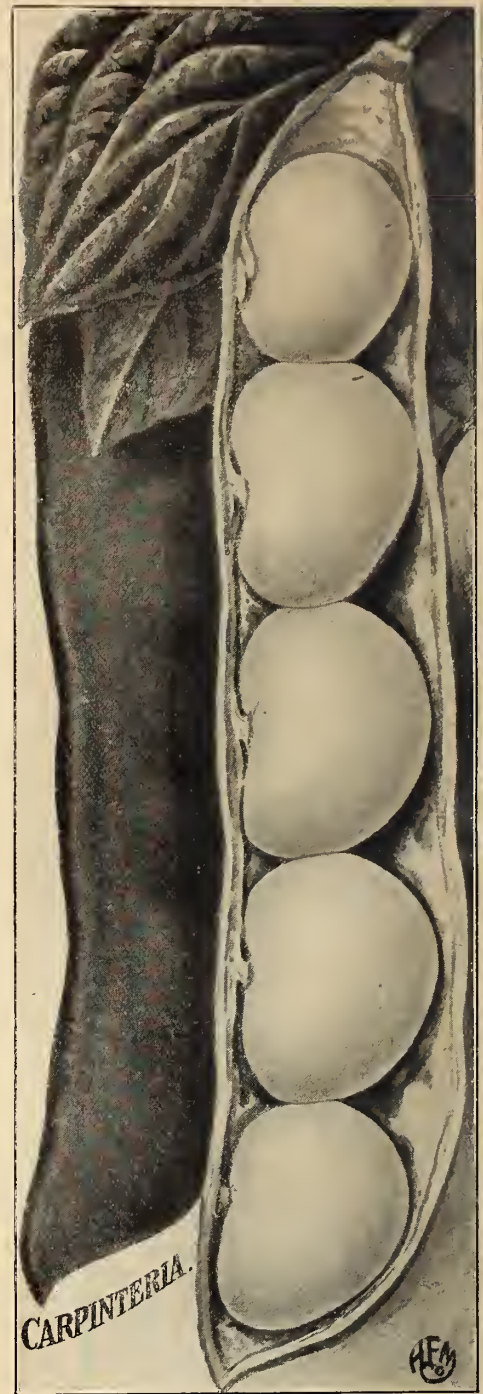
When ordering, be sure and specify wanted for lima beans, as each leguminous crop requires a separate culture.

## CEDAR BEAN POLES (Pointed)

Extra selected quality. About 10 ft. long. 25 for \$3.25; 50, \$6.25; 100, \$12.00.



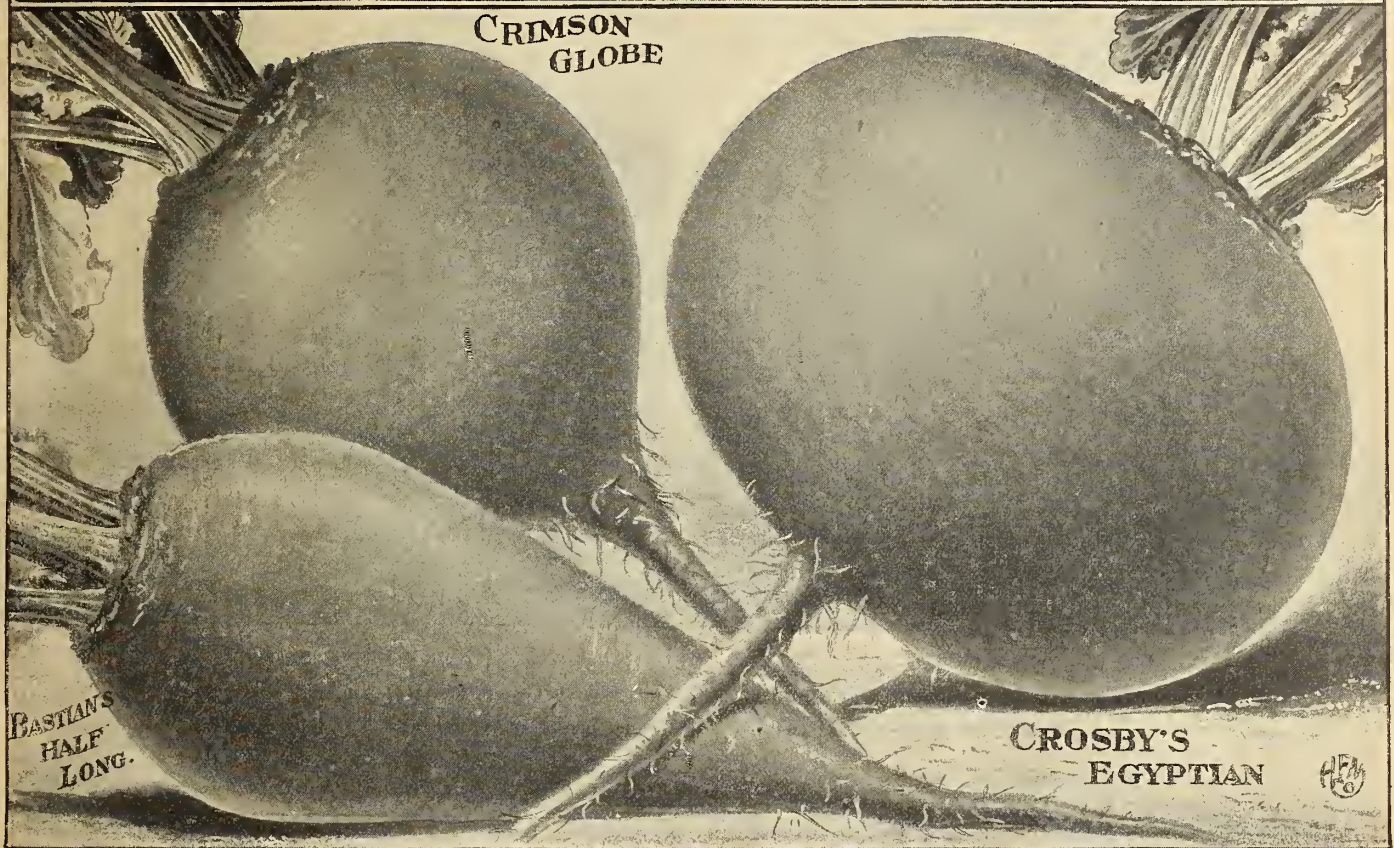
Fordhook Bush Lima



All Prices subject to change without notice

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**• MICHELL'S CHOICE BEET SEED •**



Betterave (Fr.); Salatrube (Ger.); Barbabietola (Ital.)  
 One ounce will sow a row about 50 ft. long; 5 lbs. are required to sow an acre.  
 Prices of all seeds on this page include mailing charges.

The soil best suited for beet culture is that which is rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked; when the plants are large enough thin out to stand four inches apart in rows. For an early crop in hotbeds the seed should be sown in early March, while for a winter crop sow about July 10th.

**Arlington Favorite.** Extra early; exceedingly sweet, rich, blood red, turnip-shaped. Pkt., 5c. and 10c.; 20c. per oz.; per ¼ lb., 75c.; \$2.50 per lb.

**Bastian's Extra Early.** The best beet for market and family use, grows quite large, turnip-shaped. Pkt., 5c. and 10c.; oz., 20c.; per ¼ lb., 60c.; \$2.00 per lb.

**Bastian's Half Long Blood.** A valuable variety to follow Bastian's Extra Early; used extensively for winter use, when it should be sown in July. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 60c.; lb., \$2.00.

**Bassano (Extra Early).** A flat variety, flesh white and rose colored, excellent used as buttered beet. Pkt., 5c. and 10c.; 20c. per oz.; per ¼ lb., 60c.; \$2.00 per lb.

**Crimson Globe.** Almost round in shape, of a rich deep red color, it has a distinct delicious flavor and is very tender, good for sowing early for forcing and summer use. Pkt., 5c. and 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.50 per lb.

**Crosby's Egyptian.** One of the earliest beets, especially desirable on account of its rich blood red color throughout, and its extreme tenderness. An early spring and winter variety and a good keeper. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 75c.; \$2.50 lb.

**Detroit Dark Red.** A desirable type of turnip-shaped beet, very tender, excellent for winter keeping. Pkt., 5c. and 10c.; oz., 20c.; per ¼ lb., 75c.; \$2.25 per lb.

**Eclipse.** Perfectly smooth and round, skin and flesh intense red. An excellent sort for forcing or for planting in the garden. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 60c.; \$2.00 per lb.

**Edmand's Blood.** A variety for early and late sowing, good flavor, turnip-shaped. Pkt., 5c. and 10c.; 15c. per oz.; per ¼ lb., 60c.; \$2.00 per lb.

**Lentz Early.** Fine for sowing in hotbeds and outdoors early. It is a desirable winter variety also; blood red. Pkt., 5c. and 10c.; 20c. per oz.; per ¼ lb., 60c.; \$2.00 per lb.

**Michell's Ideal.** (New). A splendid turnip-shaped variety splendid for early summer use or as a winter keeper. 10c. pkt.; ½ oz., 15c.; 25c. per oz.; ¼ lb., 85c.; \$3.00 per lb.

**Michell's Winter Keeper.** (New). Globe shape, rich red, tender and sweet, one of the best winter varieties. Pkt., 10c.; 25c. oz.; ¼ lb., 85c.; \$3.00 lb.

**BALM** (See Page 37)                      **BASIL** (See Page 37)  
**BORAGE** (See Page 37)

**BROCCOLI** One ounce will produce 3000 plants.  
**Broccoli (Fr.); Sparkelkohl (Ger.); Broccoli (Ital.)**

A vegetable resembling cauliflower and often grown where the latter does not thrive. Cultural method is much the same.  
**White Cape.** Pkt., 5c. and 10c.; 20c. ½ oz.; oz., 40c.; \$1.50 ¼ lb.

**BRUSSELS SPROUTS**

One ounce will produce 3000 plants.

**Chou de Bruxelles (Fr.); Rosekohl (Ger.); Berza de Brusels (Ital.)**

Sow seed about May 15th; transplant when about 4 ins. high in rows 3 feet apart, 2 feet apart in the row. When heads begin to crowd, the lower leaves should be broken from the stem of the plant to give them plenty of room. They are best for cooking after they have had a slight frost.

**Matchless Improved.** Pkt., 5c. and 10c.; 15c. per ½ oz.; oz., 30c.; \$1.00 per ¼ lb.; lb., \$3.00.

**Brussels Sprouts Plants**  
 (Ready in July)  
 25 for 20c.; 60c. per 100 (by mail, 70c.); per 1000, \$5.00.



Brussels Sprouts

All prices subject to change without notice

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# MICHELL'S CHOICE CABBAGE SEED, MOSTLY LONG ISLAND GROWN.



Early Jersey Wakefield



Early Summer

Chou pomme (Fr.); Kopf Kohl (Ger.); Cavolo Cappuccio (Ital.).

One ounce will produce about 3000 plants; 4 oz. will produce enough for an acre.

Our strains are the very best to be had, selected from specimen heads in well rogued fields. Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 feet apart, and 12 to 18 inches apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet in rows. Never plant cabbage in the same location two years in succession.

All seeds on this page mailed post free to purchasers.

## EARLY VARIETIES

**All Head.** The largest of the early cabbages. The head is roundish flat and remarkably solid, excellent for winter as well as early spring. On account of its compact growth usually 1000 more plants can be set on an acre. Pkt., 10c.; 25c. per ½ oz.; oz., 50c.; \$1.40 per ¼ lb.; lb., \$5.00.

**Copenhagen Market.** The earliest round variety in cultivation. The heads frequently weigh as much as 10 lbs. Pkt., 10c.; 30c. per ½ oz.; oz., 60c.; \$2.00 per ¼ lb.

Denmark has always been a producer of fine cabbage and many of our best sorts have originated there; in this variety we offer a splendid sort, which should be planted by every cabbage grower.

**Early Flat Dutch.** A dwarf-growing type, principally used for early summer use, and smaller in size than the late variety of the same name. Pkt., 5c. and 10c.; ½ oz., 20c.; 40c. oz.; ¼ lb., \$1.20; lb., \$4.00.

**Early Jersey Wakefield (Improved Strain).** The finest type of early cabbage in existence. A great improvement over the regular strain. It produces uniform pointed heads, and should be sown by every private and market gardener. The outer leaves form a protection for the heads, which enables it to set out earlier than other sorts. Pkt., 10c.; ½ oz., 30c.; oz., 60c.; \$1.75 per ¼ lb.; lb., \$6.00.

**Early Jersey Wakefield (Usual Strain).** A fine selection of the above variety, but not quite equal to it in type or earliness. Pkt., 10c.; 25c. ½ oz.; oz., 50c.; per ¼ lb., \$1.50; \$5.50 per lb.

**Early Winnigstadt.** Resembles the Early Jersey Wakefield somewhat, but the heads are more pointed and not so early, nor quite so solid. It is a good variety to follow Wakefield, coming in ahead of "Early Summer." Pkt., 5c. and 10c.; 20c. ½ oz.; 40c., oz.; ¼ lb., \$1.25; \$4.50 lb.

**Large Charleston Wakefield.** Similar to the Early Wakefield, but the heads are more blunt, equally as solid, while it grows almost twice the size and matures one week later. This is a splendid cabbage for either market or home garden. Pkt., 10c.; 30c. per ½ oz.; 60c. per oz.; ¼ lb., \$1.75; \$6.00 per lb.

**Henderson's Early Summer.** The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. A fine variety for following the early types, it makes a splendid solid head. Pkt., 10c.; 25c. per ½ oz.; oz., 50c.; ¼ lb., \$1.25; \$4.50 per lb.

A book on the Culture of CABBAGE AND CAULIFLOWER, comprehensive, interesting and instructive, 50c. postpaid.

## MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains a mine of information on things horticultural and agricultural. There is a free copy for you. Just say, "Send me 'Practical Garden Pointers,'" and watch how quick you get it.



Danish Ball Head

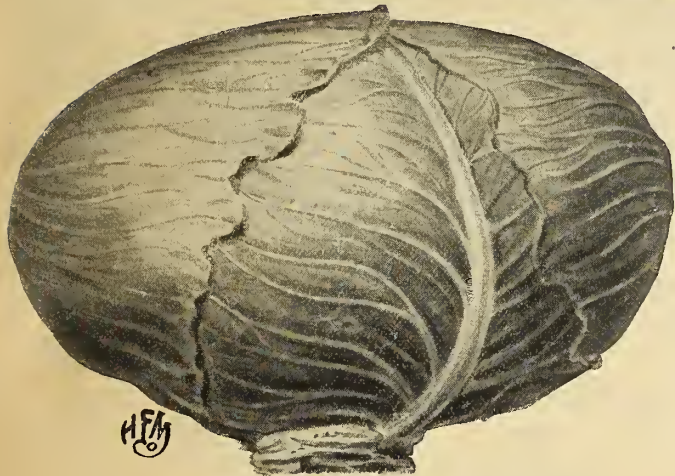
All Prices subject to change without notice.

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# MICHELL'S CHOICE CABBAGE SEED (Continued)

All seeds on this page mailed postpaid to purchasers



Late Flat Dutch Cabbage

## LATE OR WINTER VARIETIES

**All Seasons (Vandergaw).** A very large head, round and solid. It is valuable for late summer or winter use. 10c. per pkt.; 25c. per 1/2 oz.; oz., 50c.; 1/4 lb., \$1.50.

**Danish Ball-Head (Michell's Improved Strain).** This excellent winter cabbage is unequalled for its keeping qualities, massiveness and weight. For boiling, cole slaw, sauer kraut, etc., it is ideal, being crisp, tender and sweet. One of its virtues is that it does well under most any condition of moisture or drought; heads never burst. 10c. pkt.; 1/2 oz., 30c.; 60c. oz.; 1/4 lb., \$2.00.

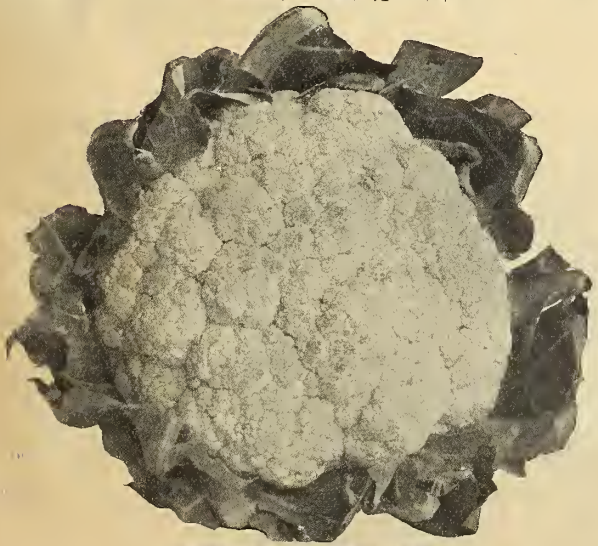
**Late Flat Dutch (Improved Strain).** This has been selected especially for our trade, the seed being taken from the finest types of heads which are selected for solidity and uniformity. In a row or field of this strain every head appears uniform and its excellence is apparent. There is no better keeping cabbage in existence, being very solid. For sauer kraut it is unsurpassed. Pkt., 10c.; 25c. per 1/2 oz.; oz., 50c.; \$1.50 per 1/4 lb.

**Late Flat Dutch.** A very large flat-headed sort, used extensively as the main winter cabbage crop. Pkt., 5c. and 10c.; 20c. 1/2 oz.; 40c. per oz.; 1/4 lb., \$1.25.

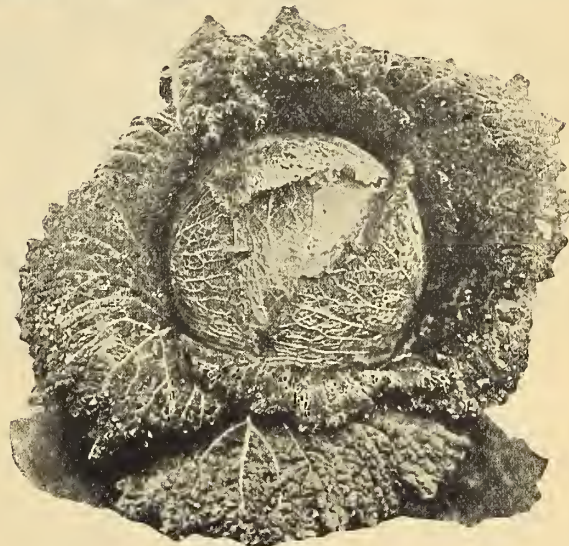
**Large Late Drumhead.** Much like the above except the heads are not quite as large nor as flat; it is short stemmed. Pkt., 5c. and 10c.; 20c. per 1/2 oz.; 40c. per oz.; 1/4 lb., \$1.25.

**Perfection Drumhead Savoy.** A beautifully crimped-leaved sort, color a deep glossy green. The head is almost round. Savoy cabbage is distinctly flavored, being much sweeter than the other kinds. We recommend it highly, being one of the best cabbages grown for either market or home consumption. Pkt., 10c.; 20c. per 1/2 oz.; oz., 40c.; per 1/4 lb., \$1.25.

**Pe-Tsai or Chinese Cabbage.** (See special feature on page 6.) 10c. pkt.; 1/2 oz., 15c.; 30c. per oz.; 1/4 lb., \$1.00.



Michell's Earliest Snowstorm



Perfection Savoy Cabbage

**Red Dutch Cabbage.** A red variety, used extensively for pickling. When cooked with a little port wine and sugar added to it, makes a dish fit for a king. Few people can appreciate it because they have never tried it. For cole slaw it has merits over the white kinds. It is principally used for winter. Pkt., 5c. and 10c.; 20c. per 1/2 oz.; oz., 40c.; 1/4 lb., \$1.25.

## CABBAGE PLANTS

Ready in season according to variety.

**Early Sorts.** From hotbeds. Early Jersey Wakefield and All Head only. Per 100, 50c.; \$4.00 per 1000.

**From Cold Frames Transplanted.** Early Jersey Wakefield and All Head only. Per 100, 75c.; \$6.00 per 1000.

**Late Sorts.** Danish Ball Head and Late Flat Dutch only. Ready July 1st. Per 100, 50c.; \$3.50 per 1000.

If cabbage plants are wanted by parcel post add 15c. per 100.

## CAULIFLOWER

Choux-Fleurs (Fr.); Blumenkohl (Ger.); Cavol-Fiora (Ital.)

One ounce of seed will produce about 3000 Plants.

Sow seeds in hotbeds or window boxes in February or March and transplant in cold frames until it is safe to plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set in rows 3 feet apart, 2 feet apart in the row.

**Algiers.** One of the best late sorts for outdoor planting; make large, compact heads. Pkt., 10c.; 30c. per 1/4 oz.; per oz., \$1.00.

**Danish Giant.** An ideal variety for summer use, as it will stand more drought and heat than most other sorts; the heads are snow white. Pkt., 25c.; 85c. per 1/4 oz.; per oz., \$3.00.

**Early Snowball.** A splendid early variety, for either forcing under glass in cold frames or outdoor spring planting variety, producing magnificent medium size white heads. Pkt., 25c. and 50c.; \$1.00 per 1/4 oz.; 1/2 oz., \$1.75; \$3.00 per oz.

**Half Early Paris.** A well flavored small head, suited to growing in the garden only. Pkt., 10c.; 25c. per 1/4 oz.; per oz., 75c.

**Michell's Earliest Snowstorm.** Colossal heads of purest white, averaging often 10 inches in diameter; especially desirable for its earliness under glass, but does equally well in late spring, summer or autumn outdoors. Pkt., 25c.; 50c. large pkt.; 1/4 oz., \$1.50; \$2.50 per 1/2 oz.; 1 oz., \$5.00.

**Michell's Special Strain Selected Erfurt.** One of the earliest in cultivation; the head is not as large as the Snowstorm sort. Pkt., 25c. and 50c.; 85c. per 1/4 oz.; 1/2 oz., \$1.50; \$2.75 per oz.

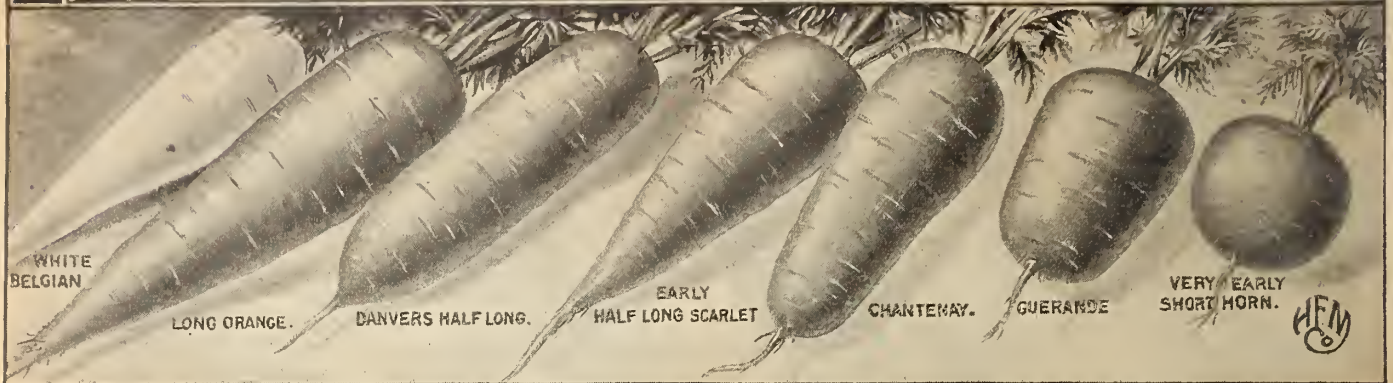
## CAULIFLOWER PLANTS (Ready about April 1st)

	Dozen	100
Snowball variety only. Spring plants from hotbeds..	\$0.25	\$1.50
Snowball variety only. Pot-grown plants.....	.65	5.00

Pot-grown Cauliflower plants cannot be sent by parcel post successfully. If hot-bed plants are wanted by parcel post, add 5c. per doz. or 15c. per 100 for postage.

CARAWAY (See Page 37)

CATNIP (See Page 37)



From the carrots illustrated above it will be an easy matter for you to choose the variety desired.

All seeds on this page mailed post free to purchaser.

Carrotte (Fr.); Mohrruben (Ger.); Carota (Ital.)

One ounce will sow 100 ft. of drill; 3 to 4 lbs. per acre.

For an early crop sow as soon as danger from frost is over in rows 1 foot apart; when 2 inches high thin out to stand 2 inches apart in the row. For late crop sow in May or June. The long sorts sow early, the half-long and round sorts can be sown later.

**Chantenay Half-Long.** Fine orange scarlet color, very productive; especially desirable for market or home use. The flesh is tender, firm and finely grained; 5 inches long, stump-rooted. Pkt., 5c. and 10c.; 15c. per ½ oz.; oz., 30c.; per ¼ lb., 85c.; \$3.00 per lb.

**Danvers Half-Long.** The best variety for general crop; rich orange color, a very heavy yielder and splendid keeper, a first-class carrot for all soils, and valuable both for table and stock, 6 to 7 ins. long, stump-rooted. We have an extra fine strain of this favorite sort. Pkt., 5c. and 10c.; ½ oz., 15c.; 30c. oz.; 85c. ¼ lb.; lb., \$3.00.

**Early Half-Long Scarlet.** A very desirable pointed root variety, coming in between the Scarlet Horn and the Long Orange; early, of fine flavor and good color, can be sown in hotbeds for early use for which purpose it is very good; 5 to 6 inches long. Pkt., 5c. and 10c.; per ½ oz., 15c.; 25c. oz.; 75c. ¼ lb.; lb., \$2.50.

**Early Scarlet Horn.** A favorite early red variety, fine grain and good flavor; stump rooted, about 6 inches long, ideal for soups. Pkt., 5c. and 10c.; per ½ oz., 15c.; 25c. oz.; 75c. ¼ lb.; lb., \$2.50.

**Guerande or Oxheart.** A desirable variety on soils too hard and stiff for the longer growing sorts, as it is not over 3 or 4 inches long. It has a very fine flavor and is well colored a rich orange. Pkt., 5c. and 10c.; 15c. per ½ oz.; oz., 25c.; 75c. ¼ lb.; lb., \$2.50.

**Improved Long Orange (Michell's Special Strain).** Deep orange color, 10 inches long, good flavor, yields heavily; is of excellent table quality, and is also the best for stock feeding; point rooted. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; \$2.00 per lb.

**Orange Beauty.** A first-class carrot in every respect. See front cover for illustration and page 5 for full description. Pkt., 10c.; per 1 oz., 25c.; 75c. per ¼ lb.

**Rubicon Half-Long.** The best in shape, and its deep red orange-colored flesh is of finest quality; point rooted. It is earlier than the Danvers and about the same length; extremely well adapted for early forcing and for growing outside. Pkt., 5c. and 10c.; 15c. per ½ oz.; oz., 30c.; ¼ lb., 85c.; \$3.00 per lb.

**Very Early Short Horn Scarlet or French Forcing.** An early forcing variety; small round root, not much larger than a radish. For stewing alone or when served with new peas, it is a rare delicacy hard to imagine unless you have eaten thereof. It may be sown outdoors as well as under glass. Pkt., 5c. and 10c.; 15c. per ½ oz.; oz., 30c.; 85c. per ¼ lb.; lb., \$3.00.

**White Belgian.** Used principally for stock, not being desirable for table, produces a long thick white root. It is also used for soiling or turning under; being a valuable humus maker. It is about 8 to 10 inches long with a green top. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

## CHIVES (Schmittlauch)

Indispensable for flavoring certain dishes, it imparts a mild onion taste. The plants are hardy and will last for years; don't cut the plant too close when gathering. For winter use, lift and plant in a pot or box and place in a sunny window in the kitchen. Seed. Pkt., 10c.; 15c. per ½ oz.; 1 oz., 25c. Strong Plants. 15c. each; doz., \$1.50; \$10.00 per 100.

## CHERVIL

One ounce will sow a row 25 feet long.

An aromatic plant used extensively in Europe as a salad seasoner. It adds a flavor to itself entirely its own. When chopped fine and scattered on buttered potatoes it is a rare treat. American gardeners should become familiar with this, as they are missing one of the best things that grow. Sow it in a row like parsley, which it somewhat resembles. For a continuous crop, sow every two weeks, if one has heated frames or a greenhouse. It can be cut 4 or 5 weeks after sowing.



Chervil.

**Double Curled.** Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; \$2.00 per lb.

## CHICORY

**Witloof.** This grows in a solid oblong head and blanches ivory white. When lifting, cut whole head with part of the roots to hold the leaves together. It is the choicest of all the winter salads and is used to such an extent in this country that much of it is imported. Pkt., 5c. and 10c.; 15c. per ½ oz.; 25c. per oz.; ¼ lb., 80c.; \$3.00 per lb.

**Witloof Chicory Roots.** In stock Dec. 1st to March 1st. For Forcing. 10c. each; doz., \$1.00; \$7.00 per 100. If wanted by mail, add 10c. per doz. or 25c. per 100 for postage.

**Large Rooted or Common.** This variety is cultivated principally for the roots, which when matured are dried and ground. It is a substitute for coffee and is used sometimes for flavoring the latter. The roots can be boiled, prepared and served like salsify. Pkt., 5c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb. For roots see page 38.

CORIANDER—See Page 37.



## COLLARDS

Four ounces seed will produce enough for an acre.

These are extensively grown in the south and used as greens during the winter months. In that latitude the plant is practically hardy. The lower leaves are pulled off and used, when new ones then form on the upper part of the stem, which increases in height. They are planted much like cabbage. They also make splendid winter food for poultry and lambs.

**Georgia or Southern.** Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb., postpaid.





## MICHELL'S CHOICE CELERY

Celeri (Fr.)—Sellerie (Ger.)—Scdano (Ital.)

One ounce of Seed will produce 3000 to 5000 plants; half-pound sufficient for one acre.

Sow in hotbeds in March or in open ground in April. See that no weeds infest the seed bed; when 3 inches high transplant in a bed outdoors in rows 3 inches apart each way, let them remain there until July, when they should be planted where they are to mature, in rows 3 feet apart, 6 inches apart in the row.

**ALL SEEDS ON THIS PAGE MAILED POST FREE TO PURCHASERS.**

### EARLY VARIETIES

(For Thanksgiving and Christmas Use)

**Dwarf Golden Heart.** This variety comes in for use at Christmas, and keeps well into the spring. The stalk is short, stocky and very nutty. The heart or inner stalks, are a rich golden yellow. Pkt., 5c. and 10c.;  $\frac{1}{2}$  oz., 15c.; 25c. per oz.; 75c. per  $\frac{1}{4}$  lb.

**Easy Blanching.** A splendid first early variety, being ready in October, producing enormous thick stalks which are very crisp. For full details on this variety see Page 6. Pkt., 15c.; 30c. per  $\frac{1}{2}$  oz.; oz., 60c.; \$2.00 per  $\frac{1}{4}$  lb.

**Golden Self Blanching** (French Grown Seed). One of the earliest and most productive sorts. The beautiful golden-colored stalks attain a height of 18 inches, which are never pithy, of excellent flavor, ready in October, but may be kept for early winter use. Pkt., 15c.; 85c. per  $\frac{1}{2}$  oz.; oz., \$1.50; \$5.00 per  $\frac{1}{4}$  lb.

**Golden Self Blanching** (American Grown Seed). Pkt., 10c.; 25c. per  $\frac{1}{2}$  oz.; oz., 50c.; \$1.75 per  $\frac{1}{4}$  lb.

**Rose Ribbed Paris Self Blanching.** A very solid, crisp, desirable sort; the stalks when blanched are a beautiful rose-pink. On the table it is quite an attraction and should be grown more extensively. Pkt., 10c.; 15c. per  $\frac{1}{2}$  oz.; oz., 30c.; \$1.00 per  $\frac{1}{4}$  lb.

**White Plume** (Michell's Private Stock). The standard early celery for market and the home garden. The stalks and heart, which blanch very quickly to almost a pure white, are very crisp and brittle. It can be used early in November and is of the finest quality. This strain of seed is very superior in every way. Pkt., 10c.; 20c. per  $\frac{1}{2}$  oz.; oz., 40c.; \$1.50 per  $\frac{1}{4}$  lb.

**White Plume** (Regular Strain). Pkt., 10c.; 15c. per  $\frac{1}{2}$  oz.; oz., 30c.; \$1.00 per  $\frac{1}{4}$  lb.

### LATE WINTER VARIETIES

**Giant Pascal.** It is in its prime for use during February and March, and can be used well up into spring. Pkt., 5c. (10c. per large pkt.);  $\frac{1}{2}$  oz., 15c.; 25c. per oz.,  $\frac{1}{4}$  lb., 75c.

**Winter King.** Perfectly solid, crisp and of a delicious flavor. Blanches well and will keep longer than any other variety. Pkt., 10c.; 20c.  $\frac{1}{2}$  oz.; 35c. oz.; \$1.25  $\frac{1}{4}$  lb.

**Winter Queen.** A medium tall, solid variety; will retain its qualities long through the winter. The heart is very full and large. Pkt., 10c.; 15c. per  $\frac{1}{2}$  oz.; oz., 30c.; \$1.00  $\frac{1}{4}$  lb.

**New York (New).** The earliest Celery in cultivation. Very large and solid and of excellent qualities. Self blanching. Pkt., 10c.; 20c. per  $\frac{1}{2}$  oz.; oz., 40c.; \$1.25 per  $\frac{1}{4}$  lb.

**New Columbia.** A new variety of great merit, a medium tall sort, producing a large, heavy stalk; has splendid keeping qualities. Pkt., 10c.;  $\frac{1}{2}$  oz., 25c.; oz., 50c.; \$1.75 per  $\frac{1}{4}$  lb.

**CELERY PLANTS** (Ready in July) See page 38.

### CELERY FOR FLAVORING

Not for sowing. 10c. per  $\frac{1}{4}$  lb.; lb., 30c.

### CELERY PAPER

For winter protection; 500 sq. ft., per roll, \$1.75.

### CELERY TAPE

Fast red, in 1000-yard spools, \$4.25 per spool

### CELERICAC

This vegetable is used for two purposes: The leaves are cut when young and used to flavor soups and meats. The roots are boiled, sliced, cooled, and served as a salad.

**Giant Prague.** Pkt., 5c. and 10c.;  $\frac{1}{2}$  oz., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.

### CHAMOMILE

See page 37.

### CITRON

(Melon or Preserving Melon)

See page 26.

### CHARD

See Swiss Chard, page 35.



**CELERICAC**

All Prices subject to change without notice

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# MICHELL'S SELECTED SUGAR CORN.



Country Gentleman, Michell's Improved Strain.

Mais (Fr.); Welschkorn (Ger.); Grano Turco (Ital.)  
One quart will plant about 200 hills, 8 to 10 quarts will plant an acre.  
Large Packets of all Varieties, 10 cents, postpaid

Plant once a week from the moment the ground is permanently warm until July 15th, drop from 6 to 8 grains in hills three feet apart each way, or in rows three feet apart; if the latter, thin out so the plants stand 12 inches apart; if left in hills, thin out when 4 inches high to 3 to 4 strong plants to the hill. The early varieties should be planted for a late crop to be sure of maturity.

**NOTE.**—If corn is wanted by parcel post, allow 8c. per pint for mailing charges.

## EARLY VARIETIES

**Crosby's Extra Early.** An old favorite sort.

Ears small, grain exceedingly sweet, heavy producer. The old line gardeners still rely on this sort for their first picking. 35c. per pt.; per qt., 65c.

**Early Evergreen.** This variety is closely allied to Stowell's in shape, flavor and style, but is much earlier, produces large well-shaped ears with deep grains. 35c. per pt.; qt., 65c.

**Early Mammoth.** The ears and fodder both attain gigantic proportions. The former, besides being large, are handsome in appearance and exceedingly sweet. Matures just after the extra early types. 35c. per pt.; per qt., 65c.

**Early Champion.** Large ears, well shaped and exceedingly sweet, splendidly adapted for home and market garden. Pt., 35c.; 65c. qt.

**Early Giant Wonder.** An extremely good sort, producing larger ears than any early type of true sugar corn, of which it is one of the earliest. This variety was introduced by us a few years ago and is still a favorite. Pt., 35c.; 65c. qt.

**Golden Bantam.** While yellow in color, this is the sweetest and earliest corn in existence, if once planted it will be a sure favorite. The ears are medium size, tender and delicious. The plant is of dwarf growth, we recommend it very highly for the home garden. Many people have an idea that yellow corn for the table is not practical, but one taste of Golden Bantam will change their mind. Plant it for your first picking. Pt., 35c.; 65c. qt.

**Golden Rod.** Claimed by some to be an improvement on the famous Golden Bantam. Ears are somewhat larger, and it matures a few days later. In color it is not quite as golden yellow, as the former, but lighter. It is exceptionally sweet. A variety that will give great satisfaction in the home garden. 35c. per pt.; per qt., 65c.

**Golden Cream.** This variety is the result of a cross between Country Gentleman and Golden Bantam and combines the excellent qualities of both. It is almost as early as Golden Bantam, has deeper grains, is a larger ear. When picked ripe is a very light yellow; after being cooked it is darker yellow, but not quite so much as

Golden Bantam. We consider it a splendid sort. Pt., 35c.; qt., 65c.

**Howling Mob.** Although an early variety, the ears are much larger than any of the other early sorts, while the grains are much whiter and sweeter. A splendid sort for the market gardener as well as for home use. Might be classed worm proof, since the husk covers the ear completely and in a tight fashion. It follows the Adams Extra Early types, which are not near so sweet. Pt., 35c.; 65c. qt.

**Ideal.** The grower of this variety has been carefully selecting it for many years. Exceedingly early and large yielder. It is not quite as sweet as some other varieties, it is though, nevertheless, well flavored and its extra early feature outweighs all other points against it. It comes in sooner than other white-kernel varieties like Adams Extra Early. 35c. per pt.; 65c. per qt.

**Kendel's Early Giant.** Large ears, large deep grain, well flavored and extra sweet. The ears are very cylindrical. An ideal sort for the first and last planting. Just the variety to grow for market garden trade, it gives the housewife a lot of splendid quality for her money. Pt., 30c.; 60c. per qt.

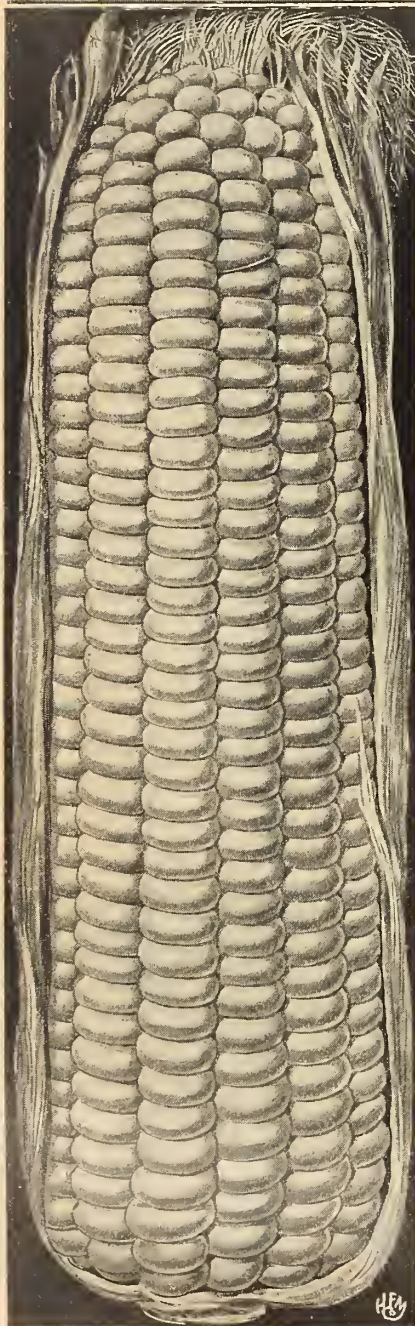
**Stabler's Extra Early.** This is the standard sort for the home garden. The large ear is well arrayed with even grains which cook pure white and are very tender. 35c. per qt., 65c.

## SUGAR CORN ON EARS

Many planters prefer to buy seed sugar corn on the ear, and for these we have arranged to carry in stock a supply of large selected specimens of **Country Gentleman**, **Stowell's Evergreen**, **Kendel's Early** and **Stabler's Early**. 15c. each; per doz., \$1.50; \$12.00 per 100.

## CHOICE FIELD CORN FOR SEED

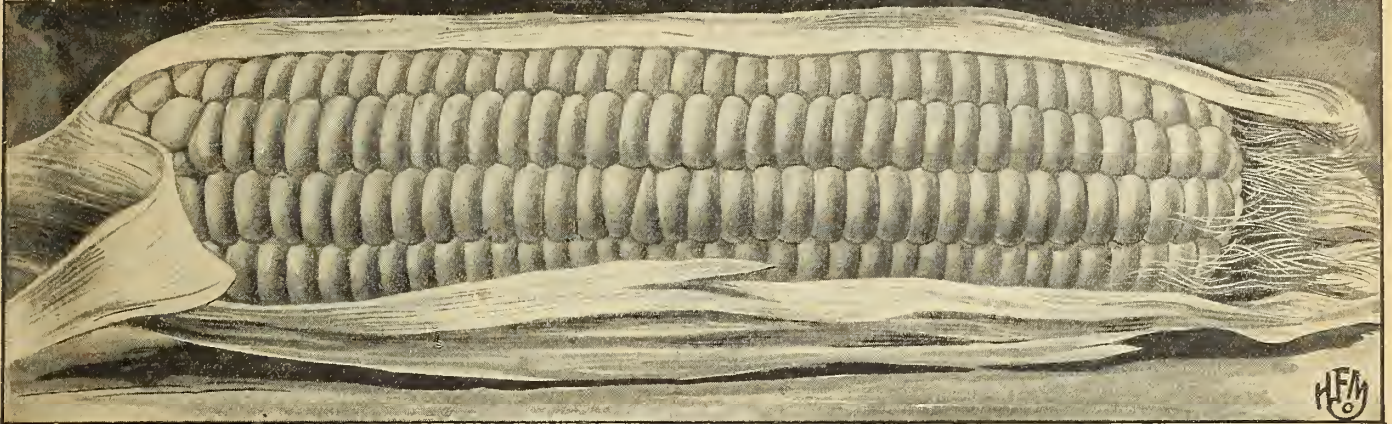
We are headquarters for the leading varieties, which we have had grown on contract especially for us in various localities best suited to yield and development. We will be pleased to mail samples of field corn and quote special prices on large quantities. See page 52 for a complete list of sorts we handle.



Michell's Delicious (See page 19)

All Prices subject to change without notice

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Golden Bantam

**NOTE.**—Large packets of all varieties Sugar Corn, 10c., postpaid. If larger quantities are wanted by parcel post, allow 8c. per pint for postage charges.

## MEDIUM AND LATE VARIETIES

**Black Mexican.** A medium late variety, reputed to be without exception the sweetest corn grown; while the grains are young they cook white, as the ear becomes older it cooks a violet shade on the outside, but in either stage of growth it is desirable. The ears are medium sized and are produced abundantly. Pt., 35c.; qt., 65c.

**Country Gentleman (Michell's Improved Strain).** A distinct sort, with deep, fine grains which are staged irregularly on the cob. In sweetness it is unapproached and for this reason it should recommend itself to every planter. The ears are large and borne on stalks about 6 feet high, a very productive variety and desirable for either home or market use. Our Improved Strain is a careful selection of the finest types of ears from stalks, making a larger than usual yield and will give unusual satisfaction. Pt., 45c.; 85c. qt.

**Country Gentleman (Usual Strain).** This is the favorite corn with many planters, and while reliable in every way, this strain is not quite equal in quality to our "Improved Type." 40c. pt.; qt., 75c.

**Late Mammoth.** Gigantic ears, of extra fine quality, produced in quantity. This is the latest maturing and largest of all sweet corns. A splendid variety for market, yielding excellent value to hand the buyer. Very desirable. The stalks frequently are 8 and 9 feet high. Pt., 40c.; qt., 75c.

**Little Gem or Shoe Peg (Ne Plus Ultra).** This variety is closely allied to Country Gentleman and resembles it so closely that it is difficult to separate the two. Pt., 40c.; per qt., 75c.

**Michell's Delicious.** The name hardly describes this sort. Some twenty years ago it was se-

lected by an old-time Philadelphia gardener who bred it until he had it perfect. Ever since we acquired control thereof we have placed it with our best sugar corn grower in New England with instructions to grow it for us exclusively and keep reselecting it. The ears are well filled, medium in size and mature after the early varieties. Pt., 35c.; 65c. per qt.

**Stowell's Evergreen (Michell's Improved Strain).** The best late corn grown. The ears are extra large, produced in great abundance, stalks often grow to a height of 7 feet. In sweetness it is unexcelled and for this reason it is the great favorite of the market and home gardener. Our strain has been reselected and represents not only a superior quality, but a most distinct advance in every way of this splendid variety. Pt., 40c.; 75c. per qt.

**Stowell's Evergreen (Usual Strain).** Most all planters rely on this variety for their main crop or money maker in sugar corn. This strain is the usual selection of ears and while first class in every way, it is not equal in quality to our Improved Strain. Pt., 35c.; 65c. per qt.

## POP CORN

There is hardly a home in this vast country where the popping of corn is not considered an excellent pastime during the long, dreary evenings of winter. When popped, buttered and sugared it is not only delicious, but healthful. Not all popcorn is in the right condition for popping. What we offer, however, can be relied upon for planting and popping.

**Queen's Golden (Ears).** (Pops white.) Lb., 15c.; 2 lbs., 25c.; 10 lbs., \$1.00.

**White Rice (Ears).** Lb., 15c.; 2 lbs., 25c.; 10 lbs., \$1.00.

**White Rice (Shelled).** Lb., 20c.; 35c. for 2 lbs.

## CORN SALAD (Fetticus)

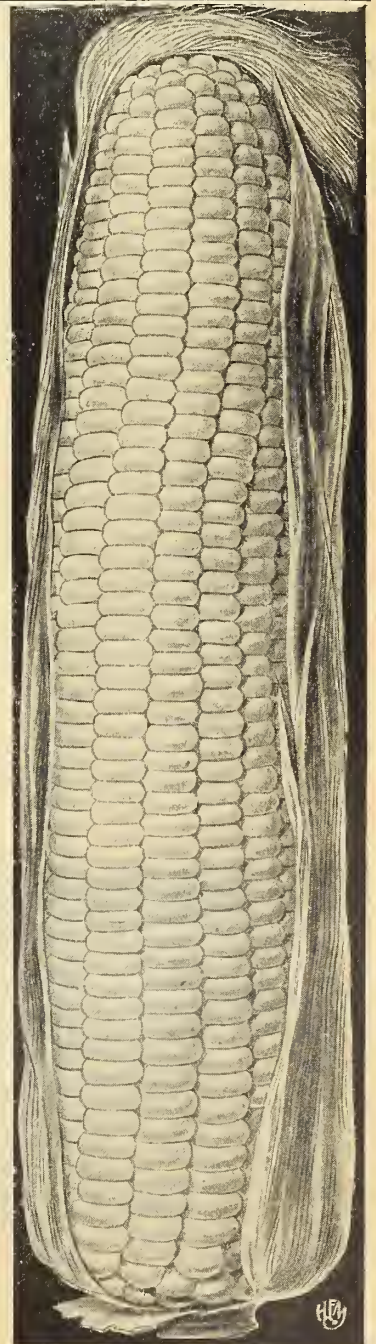
Mache Ronde (Fr.); Ackersalat (Ger.)

This is principally sown for a supply of greens during winter and early spring months. Sow in September broadcast; when cold weather approaches, cover it with a litter of leaves or long manure; and upon approach of spring the covering can be taken off entirely. It can be gathered on mild days during winter.

**Large Leaved, Round Seeded.** Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 35c.; \$1.00 per lb.

## CORN POPPERS

Made of best quality wire. Price includes handle and lid. 1 qt. size, 20c.; 2 qt. size, 35c.



Stowell's Evergreen



# CUCUMBER

Concombre (Fr.); Gurken (Ger.); Cetriolo (Ital.) One ounce of seed will plant 60 hills; 2 to 3 pounds per acre.

All seeds on this page mailed post free to purchasers.

Plant when the ground has become thoroughly warmed, in hills 4 feet apart each way, 8 seeds in a hill; when the second set of leaves have formed thin out to 4 plants. A type of beetle attacks this crop occasionally, which can be conquered by spraying the vines with Pyrox or Arsenate of Lead; when this is used always wash the fruits thoroughly before using.

**Cool and Crisp.** An improvement on the White Spined variety, being somewhat longer, earlier and continuing to bear for a longer while than most sorts. The ends are uniformly tapered, the fruits are dark green and free from spines. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.50 per lb.

**Davis' Perfect.** This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniform in shape and size, measuring often 10 to 12 inches. Its color is dark green all over and it is quite smooth and very productive. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

**Emerald.** A dark green early sort, very smooth and prolific, it grows very straight, measuring on the average 8 inches. It is not as thick as some sorts, thus making it valuable for slicing. Pkt., 5c. and 10c.; 15c. per oz.; 45c. per ¼ lb.; lb., \$1.50.

**Evergreen.** The name is derived from the feature of its dark green color-retaining qualities, a thick fruit measuring about 8 to 9 inches long. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.50 per lb.

**Gherkin or Burr Cucumber.** For pickling only; the small fruits are roundish long, about 2 inches; very prickly when green. Pkt., 5c. and 10c.; per oz., 20c.; 60c. per ¼ lb.

**Japanese Climbing.** A trellis variety used for shade as well as eating purposes. The vine is very ornamental, producing extra long light green fruits in abundance. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.50 per lb.

**Jersey Pickle or Green Prolific.** This sort can be used for slicing, but is best for pickling on account of its size, which averages 5 inches; makes ideal "Dill Pickles" as sold extensively in the delicatessen stores. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.50 per lb.

**Long Green Turkey.** This is one of the large varieties, used principally for slicing. Its dark color makes it desirable for market. The vines are very vigorous and productive, the fruits are formed almost as early as the short sorts; they are firm, crisp and have a fine flavor. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.50 per lb.

**White Spined (Michell's Arlington Improved).** This cucumber is conceded to be absolutely perfect in form, color, size and productiveness and is, therefore, the leading sort not only for the home or market garden, but also with those who make a specialty of growing them under glass. The fruit is smooth, deep green to the tip and measures uniformly 8 inches in length. It has few seeds, making it a valuable variety for slicing or pickling. A splendid keeper, retaining its color remarkably; the seed we offer is an extra selection. Pkt., 10c.; 20c. per oz.; 60c. per ¼ lb.; lb., \$2.00.

**White Spined (Improved).** A popular strain of the above, producing fine quality. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.50 per lb.

## ENGLISH CUCUMBERS

These are splendid for growing in hotbed frames during the summer months, in preference to the open garden ground. They can thus be started earlier and protected during cool nights, as they are more tender than the regular outdoor variety, as well as under glass in greenhouses during the winter. They produce enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them.

**Lockie's Perfection, Sion House, Telegraph, Tender and True.** Per packet of 12 seeds of either of the 4 sorts above, 25c. each; \$2.00 per 100 seeds.



Water Cress

## WATER CRESS

This desirable cress may be sown early in spring near the brink of a pond or piece of running water. Just scatter the seed and it will sprout and grow with wondrous rapidity; once established it remains for years, it seeding itself.

**True Erfurt.** Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.50 per ¼ lb.

## GARDEN CRESS (Pepper Grass)

Sow thickly in early spring in drills one foot apart, and follow every two weeks, up to August 1st, with a new sowing, as it quickly runs to seed. Its very desirable pungent taste is acceptable to most any one who is fond of garden greens. It is eaten prepared with either a little salt and vinegar, or without; makes a very tasty salad.

**Extra Curled.** Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 30c.; \$1.00 per lb.



English Greenhouse Cucumbers

All prices subject to change without notice

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# MICHELL'S VEGETABLE SEEDS

All seed on this page mailed postpaid to purchaser.

## DANDELION

Pissenlit (Fr.); Loewenzahn (Ger.); Amargon (Ital.)

While this name applies to one of the most obnoxious of weeds, this variety is a valuable vegetable, grown in quantities for the New England markets, where it is prized as the first spring greens. The leaves, which are very fleshy, are boiled and served hot or cold; not alone is it appetizing, but very healthy and highly recommended by physicians. Seed should be sown in spring thickly in a bed in the garden, where the plants should remain for the season; late in the fall cover the bed with a movable sash or leaves or salt hay for protection. To be real tender it must be used very early in the spring, after which the bed should be destroyed, unless it is desired to make wine from the flowers. A new bed should be made each season.

**Thick Leaved or Cabbaging.** Pkt., 5c. and 10c.; ½ oz., 25c.; per oz., 50c.; \$1.75 per ¼ lb.

## DILL Herb (Annual)

Used extensively for culinary use and for putting with cucumbers when pickling, producing the famous German "Dill Gurken." Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.

## EGG PLANT

Aubergine (Fr.); Eierpflanze (Ger.); Petonciano (Ital.)

One ounce will produce about 2000 plants

Sow seed in March in hotbeds and when three inches high transplant into small pots or otherwise. Plant outdoors in May or June, or after the weather has become permanently warm. The rows should be 3 feet apart and the plants set 2 feet apart in the row.

### SELECTED NEW JERSEY GROWN SEED

**Black Beauty.** An extra early large variety, almost black in color, very prolific and with few seeds. Pkt., 10c.; 35c. ½ oz.; oz., 65c.; \$2.50 per ¼ lb.

**Michell's New York Improved.** An old standard, quite large and more elongated than the Black Beauty, with a rich purple color. Pkt., 10c.; 30c. per ½ oz.; oz., 60c.; \$2.00 per ¼ lb.

### EGG PLANT PLANTS (Ready May 15th)

**New York Improved, Black Beauty.** Pot grown at our own nurseries. 6c. each; per doz., 65c.; \$5.00 per 100.

## FENNEL (See page 37)

## HOREHOUND (See page 37)

### HERBS (Garden, etc.) (See page 37)



## HORSERADISH ROOTS

Raifort (Fr.); Meerrettig (Ger.); Raffano (Ital.)

(Ready in March)

Set the roots in spring in rows six inches apart, about the same distance in the row. Late in the fall lift as many roots as you think you will use, cut off the top, place them in a cool cellar covered with soil or sand, and grate as wanted. A bed once planted remains for years.

**Maliner Kren (Bohemian).** Quick-growing variety, now the very best horse radish grown. Large, strong cuttings, 25c. per doz.; per 100, \$1.00 (postpaid, \$1.10); \$7.50 per 1000.

**Regular Variety.** Doz., 15c.; 75c. per 100 (postpaid, 85c.); per 1000, \$6.00.



## ENDIVE

(Sometimes called Chicory)

Chicoree (Fr.); Endivien (Ger.); Indivia (Ital.)

One ounce will sow a row 200 feet.

Sow from June to August in shallow drills and when 2 inches high thin out so the plants stand 10 inches apart. When fairly well developed tie the plants together at the top with raffia, but do this at a time when the leaves are dry, this is called the blanching process. If the plants are protected they may be left outdoors till Christmas. If wanted for later use they must be lifted late in the autumn, placed in a dry cool cellar, covering the roots with soil.

**Broad-Leaved Batavian (Escarolle).** Leaves broad, light green, nearly plain. Pkt., 5c. and 10c.; 20c. per oz.; per ¼ lb., 60c.; \$2.00 per lb.

**Giant Fringed (Oyster Endive).** A variety with a large white heart and broad leaves; heads measure 15 inches in diameter. Pkt., 5c. and 10c.; 15c. per ½ oz.; oz., 25c.; per ¼ lb., 75c.; \$2.50 per lb.

**Improved Green Curled.** An improvement, producing a larger head and more leaves. Pkt., 5c. and 10c.; 20c. oz.; ¼ lb., 60c.; \$2.00 per lb.

**White Curled (self-blanching).** This is the finest White Curled variety; always crisp and tender. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; lb., \$2.00.

## GARLIC SETS

Ail (Fr.); Knoblauch (Ger.); Aglio (Ital.)

A hardy flavoring onion, used extensively in the French method of cooking. This variety should not be compared with the common field sort, as this produces large bulbs. Plant and harvest the same as onions. 40c. per lb.; \$1.75 for 5 lbs.

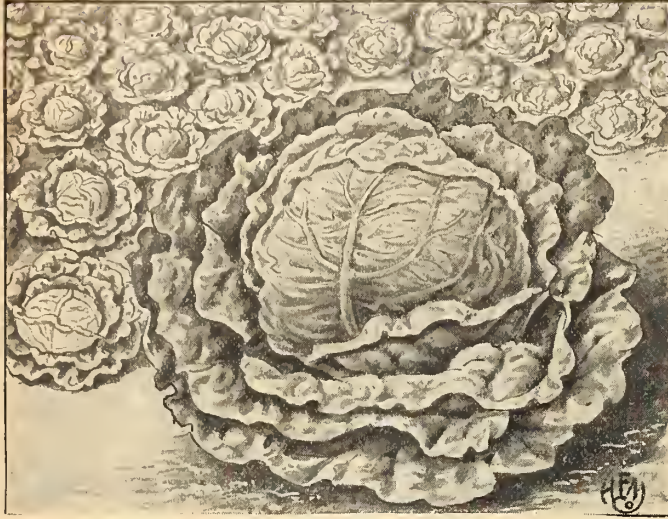
## HOP VINE

Besides being used in culinary and medicinal ways, this makes a valuable shade plant, placed on arbors, trellises, etc. It is hardy and rarely winter-kills. The hops are gathered about September and stored for use on a dry floor or hung in bags.

**Seeds.** Pkt., 10c.; 30c. per oz.

**Pot-Grown Plants, Green Variety.** 15c. each; doz., \$1.25; \$7.00 per 100.

# MICHELL'S CHOICE STRAINS OF LETTUCE



Cabbage Head Giant

## HEADING VARIETIES

Laitue (Fr.); Lattich Garten Salat (Ger.); Lattuga (Ital.)

One ounce of seed will produce about 2500 plants.

Note.—All seed on this page mailed postpaid to purchaser.

**All Heart.** An excellent lettuce for either spring or summer use. The head, while large, has a loose heart, which is of a decided buttery flavor, can be used for sowing in frames or in early summer and spring outdoors. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.25.

**All Right.** (Michell's.) This is not a variety for forcing, but rather for an early spring crop in the hothed or outdoors; and for sowing in August for late autumn under sash or outside; where it is not affected by cold, which, with some sorts, turns them brown. On the other hand, this variety retains a rich green color. The heads are very large, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. Don't use this variety for a summer crop. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.50.

**Big Boston.** A large, flat, cabbage-headed variety, splendid for midsummer or fall use or under glass in the early spring and autumn, a delightful shade of light green, tinged light brown on the outer leaves. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

**Big Boston.** (Davey's Improved.) Gigantic solid heads; excellent for under glass. Pkt., 10c.; ½ oz., 20c.; 40c. per oz.; \$1.25 per ¼ lb.

**Boston Market** (White Seeded Tennisball). Early small heading variety; one of the best for forcing; the heart is very solid and crisp. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

**Cabbage Head Giant.** A monster head lettuce with a full heart, desirable especially for summer use; 6 heads will fill a half-hushel basket. Pkt., 10c.; 15c. per ½ oz.; 25c. per oz.; ¼ lb., 80c.; \$2.75 per lb.

**California Cream Butter.** A good all-round summer lettuce. Heads are large, compact and well formed. It has a decided buttery flavor. Pkt., 5c. and 10c.; 20c. oz.; ¼ lb., 40c.; \$1.25 lb.

**Dutch Butter.** (Private Stock.) A medium-sized head, light green leaves, with delicate yellow heart. The outer leaves are tinged brown on the edges. Suitable for forcing or indoor planting. Pkt., 10c.; 15c. ½ oz.; oz., 30c.; \$1.00 per ¼ lb.; lb., \$2.50.



Prize Head Lettuce.

**Early Cabbage or White Butter.** A wonderful producer of the largest sized heads; while an older variety, it still is in the lead. Excellent to sow in hotbeds for early spring use, while it may be used continuously until autumn. Color a light green, with a rich, delicate interior, very hardy. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 45c.; \$1.50 per lb.

**Hanson Improved.** Tremendous solid heads; the outer leaves are curled; the interior is almost white and very tender; stands the heat well, therefore excellent for summer use; this produces probably the heaviest head of lettuce of any variety. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

**May King.** The first solid head lettuce to mature outdoors, hence its name; it is of good size with tender, full heart. Suitable for sowing under sash in early spring; outside leaves tinged golden brown. Pkt., 5c. and 10c.; oz., 20c.; 60c. per ¼ lb.; lb., \$2.00.

**Michell's Number One.** This lettuce is a positive header under most trying conditions. It is tender, of a decided buttery flavor, and unusually large. A valuable type for hot weather; also desirable for autumn use. Will command twice the price of other sorts, should not be used for forcing. Pkt., 10c.; 15c. per ½ oz.; per oz., 30c.; \$1.00 per ¼ lb.; per lb., \$3.00.

**Prize Head.** A splendid loosely-formed head, claimed to do where all others fail, desirable for outdoor planting, only has a dark tinge on the outer leaves, good for spring and summer use. Pkt., 10c.; 15c. ½ oz.; 25c. per oz.; ¼ lb., 75c.; \$2.25 per lb.

**Salamander.** (Mammoth.) One of the best midsummer varieties, resisting heat and drought and remains in heading condition longer than many others. The heads are enormous, a fresh green color; loose leaves can all be used, as they are brittle and tender.

This strain is an improvement on the usual form. Pkt., 5c. and 10c.; oz., 20c.; 50c. per ¼ lb.; lb., \$1.75.

**Summer Queen.** The most reliable variety during the hot summer months. The heads are enormous, solid, of a light green color; much superior to any other variety. It will stay longer without going to seed. 10c. pkt.; ½ oz., 15c.; 25c. oz.; ¼ lb., 75c.

**Unrivalled.** Very large, light green and of a crisp nature. Very desirable for summer use. As a general all-round variety few can approach it. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; lb., \$2.00.

**Wayahead.** The earliest hard-heading lettuce in cultivation, doing well either under glass or in the open in spring or autumn. The heart is a golden buttery color, and of delicious flavor. Pkt., 10c.; 15c. ½ oz.; oz., 25c.; 65c. ¼ lb.

**Wonderful.** Of the cabbage-headed sorts this is a leader; the color is dark green, with white interior; the heads are large, having curled outer leaves, popular kind for summer. Pkt., 5c. & 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 per lb.



Trianon Self-Folding Cos Lettuce





HEADING VARIETIES (Continued)

## LOOSE LEAF OR CUTTING VARIETIES

For early or midsummer use, seed should be sown very thickly. When pulling the young plants try to do so with an effort to thin out the hed, thus allowing the remaining plants to become large. This class is always tender and is preferred by many to the heading varieties.

**Black Seeded Simpson.** Ideal for midsummer use, as it withstands the most trying conditions of heat and drought. When matured, presents a formidable loose head with finely fringed leaves. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

**Early Curled Simpson (White Seeded).** Similar to the above and adapted especially for earlier growing and use. Pkt., 5c. and 10c.; per oz., 20c.; 60c. per ¼ lb.; lb., \$1.50.

**Grand Rapids (Special Strain).** The leading variety in this class for forcing under glass, but it may also be grown successfully outdoors. The leaves are very curly, crisp and brittle, and have a palatable flavor. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

**Silesian.** This variety should be cut instead of pulled, as it makes new growth from the same root. A light green color and when given plenty of room will form a large loose head. Pkt., 5c. and 10c.; oz., 20c.; 60c. per ¼ lb.; \$1.50 per lb.

## COS, OR ROMAINE, OR CELERY LETTUCE

Of French origin, this type, as will be seen by the illustration, differs greatly from the American varieties by its peculiar upright growth and its decided flavor. To have it real tender the heads must be tied together at the top so that the inner leaves blanch. It is best adapted to outdoor planting and stands the heat well. When thinning out remember that they require less room than the regular heading varieties.

**Kingsholm Cos.** The largest and best heading variety of this type. The inner leaves blanch almost pure white and have little or no ribs, the heads are very full throughout and therefore contain more edible part. Pkt., 5c. and 10c.; ½ oz., 15c.; 25c. per oz.; ¼ lb., 75c.

**Trianon Self-Folding.** The peculiarity of this sort lies in the fact that the crown of leaves overlap each other which closes over the heart, thus rendering it self-blanching. It is very early and ready for use ahead of the Kingsholm variety. Pkt., 5c. and 10c.; ½ oz., 15c.; oz., 25c.; 75c. per ¼ lb.

## LETTUCE PLANTS

We can supply these at all seasons in heading varieties. 25 for 15c.; 50c. per 100 (postpaid, 60c.); \$4.00 per 1000.



New Lettuce "Davy's Improved Big Boston"

ALL SEEDS on this page mailed postpaid to purchaser.

## PLANTS AND SEEDS OF PLANTS USED FOR GARNISHING AND FLAVORING LETTUCE

**Tarragon (Estragon).** Perfectly hardy and once established remains for years; the foliage is finely cut and spread over the lettuce. It is also put into vinegar, to which it imparts a flavor. Plants, 25c. each; doz., \$2.50.

**Chervil.** One of the most delicious flavoring plants in cultivation, the leaves are finely cut and mixed with the lettuce, or distributed as gathered, on top. Seed, 5c. pkt. (10c. per large pkt.); oz., 20c.; 60c. per ¼ lb.; \$2.00 per lb.

**Chives.** Possess a delicate onion flavor, adds a piquancy without being objectionable like onion. The top is cut off the plant (not too close) and chopped finely and added in small quantities to the dish of salad. Clumps, 15c. each; doz., \$1.50; \$10.00 per 100.

## THE BALL PLANT PROTECTOR

Not less than 6 Protectors of a size can be supplied. Not mailable.

For tomato, cucumber, melon, egg plants, etc. It allows you to set these out several weeks earlier than would otherwise be possible. Made with strong wooden frames and good muslin; when not in use can be nested and put away, taking up very little space. They will last many years. The invention of and have been in use by a practical gardener for a number of years.



No. 1, 9 in. diam. 12 in. high.

Per 6 Per 12  
\$1.60.....\$3.00

No. 2, 12 in. diam. 15 in. high.

Per 6 Per 12  
\$1.85.....\$3.60

The Ball Plant Protector

All Prices subject to change without notice.

(ht)

# MICHELL'S VEGETABLE SEEDS

ALL SEEDS ON THIS PAGE MAILED POSTPAID TO PURCHASER.

## KALE OR BORECOLE

**Chou Vert (Fr.); Grun Kohl (Ger.); Cavolo Verde (Ital.)**  
One ounce will sow a drill 150 ft. long; 3 lbs. will sow an acre.

For early use it may be sown in May; when desired for winter use, sow in September, broadcast or in rows 2 ft. apart. Cover for protection against severe freezing and snow. Do not handle while in a frozen condition. One of the finest nutritious greens for winter and early spring use.

**Dwarf Green Curled.** This variety is very compact growing, rarely attaining a height over six inches. The color is dark green, very curly. 5c. and 10c., pkt.; 20c. oz.; 65c.  $\frac{1}{4}$  lb.; \$2.50 lb.

**Dwarf Green Scotch.** An improvement on the Dwarf German type. It is more prolific, holds its color better and is more deusely curled; fine for winter use. Pkt., 5c. and 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 65c.; \$2.50 per lb.

**Imperial Long Standing.** The leaves are very crimp and of a dark green color. It stands quite tall, and is an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt., 5c. and 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 65c.; \$2.50 per lb.

## KOHL-RABI

**Chou Rave (Fr.); Kohl-Rabi (Ger.); Cavolo rapa (Ital.)**  
One ounce will produce about 2500 plants.

It is regrettable that this splendid vegetable is not more widely used. We would suggest to those who have not given it a trial that they do so. Sow seed in early spring in hotbeds or outdoors and transplant when 3 inches high in rows 18 inches apart, 6 inches in the row. The edible part is the turnip, which grows above the ground; this should be used when it attains a size of 2 $\frac{1}{2}$  inches in diameter or less, at this stage it is extremely tender and delicious, while if allowed to get larger it is woody. Prepared and served like turnips, except that a few of the bottom leaves can be cooked with the root.

**Blue or Purple Vienna.** The flesh is white, with a bluish skin. Principally used for outdoor sowing. Pkt., 10c.; 15c. per  $\frac{1}{2}$  oz.; 25c. per oz.; 90c. per  $\frac{1}{4}$  lb.

**Earliest White Erfurt.** A very small rooted sort; fine for forcing; exceedingly tender



Giant Carentan Leek



Kohl-Rabi

## KOHL-RABI (Continued)

and sweet. Pkt., 10c.; 15c. per  $\frac{1}{2}$  oz.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00.

**Early White Vienna.** This variety is suited for sowing under glass and for outdoors. The top is very short, thus allowing all the development to go to the root, insuring early maturity. Very finely grained and of excellent quality. Pkt., 10c.; 15c. per  $\frac{1}{2}$  oz.; oz., 25c.; 90c. per  $\frac{1}{4}$  lb.

## LAVENDER

See Pages 37 and 38.

## MINT

See Pages 37 and 38.



Dwarf Curled Scotch Kale

## LEEK

**Poireau (Fr.); Lauch (Ger.); Porro (Ital.)**  
One ounce of seed will furnish about 2500 plants.

Allied to the onion family but producing no bulb; the stalks are cut and used for flavoring soups, also they are boiled and served with melted butter, and make a very palatable dish on account of their mild flavor. Sow seeds in April in rows 1 foot apart, covering the seed about an inch, when about 4 inches high transplant where it is to develop in rich soil in rows 18 inches apart, 6 inches in the row. When fully grown, hill soil against them to blanch them, about Nov. 1st take up the plants and store them in a cool cellar, placing the root end in soil 3 or 4 inches, thus a supply may be had all winter.

**Giant Carentan.** A variety which produces colossal stalks of tender quality, splendid for exhibition purposes. Pkt., 5c. and 10c.;  $\frac{1}{2}$  oz., 15c.; 30c. oz.; 85c. per  $\frac{1}{4}$  lb.; lb., \$3.00.

**Large Musselburg.** Of enormous size, mild flavor and tender. Pkt., 5c. and 10c.; 15c. per  $\frac{1}{2}$  oz.; oz., 30c.;  $\frac{1}{4}$  lb., 85c.; \$3.00 per lb.

**London Flag.** Popular for the home garden, makes a longer but narrower stalk than others. Pkt., 5c. and 10c.;  $\frac{1}{2}$  oz., 15c.; 30c. per oz.; 85c. per  $\frac{1}{4}$  lb.; lb., \$3.00.

## MANGEL-WURZEL See Page 26.

## MARTYNIA (Unicorn Plant)

A bushy plant growing two feet in height, bearing clusters of pink flowers resembling gloxinias, which afterwards turn to long green pods, which when picked are pickled the same as cucumbers, making a very tasty relish. Sow seeds in April outdoors and transplant so the plants stand 2 feet apart each way.

**Proboscidea.** Pkt., 5c.; large pkt., 10c.; 15c.  $\frac{1}{2}$  oz.; oz., 30c.; 75c. per  $\frac{1}{4}$  lb.



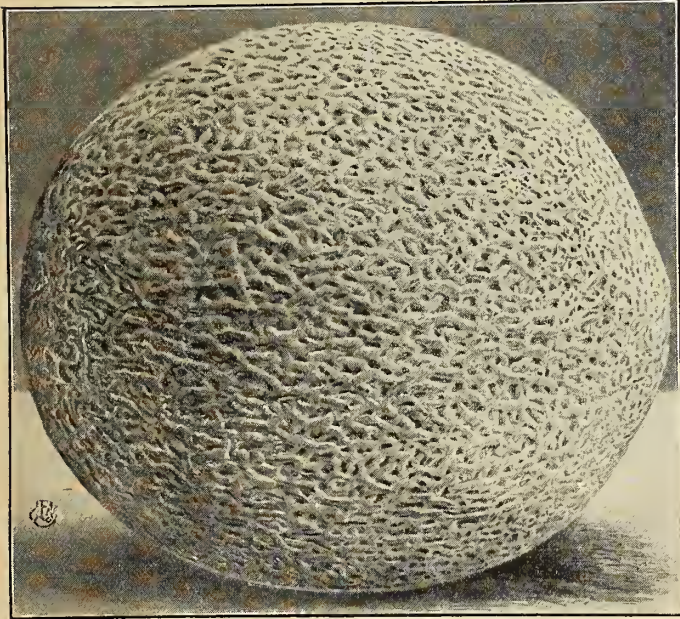
MARTYNIA

All prices subject to change without notice

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# MICHELL'S MUSKMELON or CANTELOUPE

Melon Muscade (Fr.); Melone (Ger.); Popone Melone (Ital.)  
 One ounce will plant about 50 hills; 2½ lbs. are required for an acre.



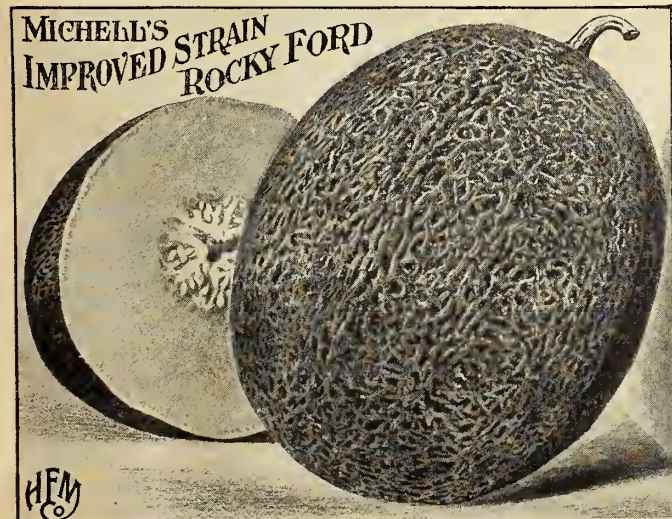
Delicious Gold Lined

While these do best to reach their greatest perfection in a light sandy loam, any good well-prepared garden soil suits them. Plant when the ground has become permanently warm in hills 6 feet apart each way, 8 to 10 seeds in a hill. After the second tier of leaves have formed, thin out to 4 plants. Watch carefully for insects of various kinds, especially the melon louse that works under the leaf and shrivels it, causing the plant to die. To fight this successfully, raise up the vines and spray underneath with Pyrox Arsenate of Lead, or some of the various Nikoteen preparations. When the vines have made a good start, they are not bothered much with insects thereafter.

**NOTE**—All seeds on this page mailed postpaid to purchaser.

**Burrel's Gem.** Exceptionally fine. Like the Rockyford, except the flesh is a rich orange. With only a small seed cavity is a splendid producer of fine flavor. Pkt., 5c. (10c. per large pkt.); 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

**Delicious Gold Lined.** See illustration. Flesh thick, fine-grained and sweet; color green, with a gold margin next the seed cavity; slightly oval and heavily netted. A variety which every melon planter should not overlook to include a trial of. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.



**Eden Gem.** An improved Rockyford, but more round in shape and not ribbed, but heavily netted; thick green flesh of delicious flavor. 5c. and 10c. pkt.; oz., 15c.; 50c. ¼ lb.; lb., \$1.50.

**Emerald Gem.** Among the standard varieties, this has long been a leader. The flesh, which is thicker than any other melon of the same shape, is a rich salmon shade and ripens extremely close to the rind. It is exceedingly sweet and one of the melons when you eat once of, you remember for a long while. Pkt., 5c. and 10c.; oz., 15c.; 50c. per ¼ lb.; lb., \$1.50.

**Extra Early Hackensack.** A selection of the old Turk's Cap type, ripening fully a week earlier. It is well netted, deeply ribbed, making it ideal for cutting in slices on account of its large size. The flesh is light green, very thick and ripens well to the rind. The shape is even more flat than the Emerald Gem. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

**Fordhook.** This is claimed to be one of the best melons ever introduced. Of flat shape like Emerald Gem, on which it is claimed to be an improvement. The flesh is a beautiful salmon orange, surprisingly sweet. The fruits are very large, often weighing 2 lbs. each; is an early variety, and always prolific. The netted rind is very thin and can be eaten very closely. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

**Honey Dew.** A late maturer, it might easily be termed a family melon because one is large enough for a number of people. It is large in size, being six inches in diameter and from seven to eight inches long. The skin is smooth with an occasional net, is creamy when white. The thick flesh is emerald green melting and of a wonderfully delicious flavor sweet as honey. The ripe melons can be kept in a suitable place for several weeks before using. In fact, they can be placed in cool storage and kept until Christmas. Pkt., 15c.; 25c. ½ oz.; oz., 40c.; ¼ lb., \$1.50. (See illustration, page 7.)

**Jenny Lind.** A small, flat, very early sort, heavily netted and ribbed with green flesh, an altogether good variety to plant with others, using this for the first picking. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

**Michell's Delicous.** This deservedly enjoys a good name, it is one of the very large irregular pumpkin-shaped melons with a smooth silver-gray rind. The flesh is very deep orange-salmon. Pkt., 15c. (2 for 25c.); 30c. per ½ oz.; oz., 60c.; \$2.25 per ¼ lb.

**Michell's (Improved Strain) Rockyford.** The outside is a light green, well-netted, changing to a grayish color. It is mostly all meat, with a very small seed cavity and often weighs a pound and one-half to the fruit. Fine for market or the home garden. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; \$1.50 per lb.

## FORCING MELONS

Forcing melons can be grown successfully outside in hotbeds. Sow seed in pots in March and transplant to hotbed when three leaves have developed; these will ripen fruit in June and July. For indoor use treat same as forcing cucumbers.

**Blenheim Orange, Invincible-Scarlet, Windsor Castle.** Each per pkt., 25c.

**Sutton's A1.** In original packets, 50c. per pkt.

**MELON NETS.** For supporting forcing melons in greenhouses; made very strong, will last for a number of crops. \$1.50 per doz.; per 100, \$10.00.

## MUSTARD

One ounce will sow a row 75 feet long. It makes a delicious green salad, pungent in taste, highly palatable and healthy. Sow every two weeks in rows the same as spinach. It must be used while young, as only then is it tender and mild. Fine winter greens if sown in a heated frame or greenhouse, also fine if served with lettuce salad for flavoring. The seed can be harvested if the plant is allowed to stand and used for other culinary purposes.

**White or Yellow.** Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 30c.; \$1.10 per lb.



Mustard



Melon d'eau (Fr.); Wasser Melone (Ger.); Cocomero (Ital).

One Ounce will plant Thirty Hills, Four Pounds for an Acre.

Plant in hills 10 feet apart each way or in drills 10 feet apart, dropping one seed every three feet. A little land plaster dusted over the young plant will keep beetles away. Watermelons require planting after the soil has become thoroughly warm, say about May 10th in the latitude of Philadelphia. Our list of watermelons is limited, as we offer only the varieties which from experience are the better ones. **Note**—Watermelon seed sent postpaid at prices quoted.

**Dixie.** The name attaches to this variety a peculiar recollection of things truly Southern, where this melon is at home. 'Tis one of the oldtime favorites, roundish-long in shape. The skin is dark green, mottled light; the flesh is very sweet and ripens close to the rind. Pkt., 5c. and 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 40c.; \$1.25 per lb.

**Halbert Honey.** An ideal family garden or home market melon. The long fruits with blunt ends are very large and weigh often 50 lbs.; the rind is very thin, dark green, while the flesh is a rich crimson. It tastes like a sugar stick, as it melts under the pressure of the tongue. It is very prolific and is altogether a first-rater. Pkt., 5c. and 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 40c.; \$1.25 per lb.

**Kleckley Sweets.** A sweet one, to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind sets

too close to the ripe fluffy, rich red meat, when in condition to use. The melons average about 20 inches long and ripen quite early. Our strain is grown from the originator's seed stock and we can recommend it highly. Pkt., 5c. and 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 40c.; \$1.50 per lb.

**Mountain Sweet.** Early and very large, oblong shape, rind dark green; flesh red, solid and sweet, a gigantic variety from whence its name is derived. Pkt., 5c. and 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 40c.; \$1.25 per lb.

**Tom Watson.** A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh which, by the way, is of splendid texture and flavor; the sugary meat really melts in your mouth. Nothing can touch it in the melon line for shipping qualities. The rind being tough it will resist plenty of abuse. Pkt., 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 40c.; \$1.25 per lb.

### PRESERVING MELON (OR CITRON)

A large-fruited variety, pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like watermelon.

**California Red Seeded.** Pkt., 5c. and 10c.; 15c. per oz.; 40c. per  $\frac{1}{4}$  lb.; \$1.25 per lb.

## MANGEL-WURZEL OR CATTLE BEETS

Seed selected from specimen roots.

Sow 5 lbs. per acre in April and May in thoroughly plowed well-manured soil, in drills two inches deep, about 24 inches apart. Thin out to 12 inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for mangel-wurzels.



Michell's Mammoth Long Red Mangel and Golden Tankard

**Golden Tankard.** The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. 5c. pkt.; per oz., 10c.; 35c. per  $\frac{1}{4}$  lb.; per lb., \$1.25; 5 lbs., \$6.00 (by express or freight, not prepaid).

**Laue's Improved White Sugar.** This variety attains an enormous size, growing considerably above the ground; one of the best for stock feeding. 5c. pkt.; per oz., 10c.;  $\frac{1}{4}$  lb., 35c.; \$1.30 per lb.; 5 lbs., \$6.25 (by express or freight, not prepaid).

**Mammoth Long Red.** This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel. 5c. pkt.; per oz., 10c.; 35c. per  $\frac{1}{4}$  lb.; lb., \$1.25; 5 lbs., \$6.00 (by express or freight, not prepaid).

**Red Globe.** An excellent sort, very prolific, good for late planting. 5c. pkt.; per oz., 10c.; 35c. per  $\frac{1}{4}$  lb.; per lb., \$1.25; 5 lbs., \$6.00 (by express or freight, not prepaid).

**Yellow Globe.** Contains a large amount of sugar properties, and can be used for replanting quite late. 5c. pkt.; per oz., 10c.; 35c. per  $\frac{1}{4}$  lb.; per lb., \$1.25; 5 lbs., \$6.00 (by express or freight, not prepaid).

**Note**—If mangel-wurzel is desired by parcel post, please allow 8c. per lb. for mailing charges.

# MICHELL'S VEGETABLE SEEDS, ETC. 27



## MICHELL'S "SUPERIOR" MUSHROOM SPAWN

If wanted by mail allow for postage at the rate of 10c. per brick.

Mushrooms are within the reach of anyone who has a greenhouse or a cellar. A crop is produced with good spawn, a little care and patience in about 4 to 6 weeks, and continues in bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March. Summer spawned beds do not bear well. Ask for our Free Booklet on Mushroom Culture, which also describes, further, these different spawns. 1 Brick will spawn 8 to 10 sq. ft.

## BRANDYWINE PURE CULTURE SPAWN

This is an entirely new strain originating in the section of Pennsylvania that supplies New York and Eastern markets with mushrooms. It appears to be especially full of life and we can recommend it as an early and prolific producer; mushrooms are uniform and almost pure white in color.

Per Brick (P. P. Weight	Per 10 Bricks.....	\$2.75
1 3/4 lbs.) .....	Per 25 Bricks.....	6.50
Per 5 Bricks.....	Per 50 Bricks.....	12.50

## OKRA OR GUMBO

Gomband (Fr.); Essbarer Hibiscus (Ger.); Ibisco (Ital.)  
One oz. will plant a row about 200 feet long; 1 lb. required for 300 ft. row.

The seed is sown in rows, thickly like peas (in ground that is rich, after the frost and cold have disappeared), the rows, 3 feet

apart; when about 6 inches high it should be thinned out to stand 6 inches apart in the row. The pod is used when young and tender sliced in soups and stews; what is not utilized during the summer may be harvested, cut in slices and dried in the sun; after being cured in this way it should be put on the pantry shelf for use during the winter. In this way one may have delicious Chicken Gumbo soup any day of the year.

**Perkins' Long Pod (Improved Strain).** A wonderful dwarf type, setting pods when only a foot high. It can be planted somewhat earlier than other sorts. The pods are exceedingly long and tender and of a dark green color. Pkt., 5c. and 10c.; 15c. per oz.; 1/4 lb., 40c.; \$1.25 per lb. postpaid.

**Dwarf Green Improved.** A very desirable sort, immensely productive, bearing very long pods well filled. It is somewhat later than the Perkins strain and the pods are not quite so thick. Pkt., 5c.; 10c. per oz.; 1/4 lb., 30c.; 75c. per lb. postpaid.

**White Velvet or Creole.** The pods of this variety are very free from ridges, being almost perfectly smooth; they are tender and very light green, almost white in color. Pkt., 5c.; oz., 10c.; 1/4 lb., 30c.; 75c. lb. postpaid.

### Testimonial.

Am sending you this small order in advance of your catalogue. Your seeds, bulbs and everything I had from you are excellent. None better.

Danville, Pa.  
J. C. BOGART.

## LAMBERT'S AMERICAN PURE CULTURE SPAWN

This type produces larger mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time. This spawn is produced by selecting spores from individual specimen mushrooms and is propagated and transferred to the bricks of manure, which, when planted, produce mushrooms all of one type.

**Direct No. 8. Cream White.** For use from April to October.  
**Direct No. 9. Pure White.** For use from October to April.

Per Brick (P. P. Weight,	Per 10 Bricks.....	\$2.30
2 lbs.) .....	Per 25 Bricks.....	5.60
Per 5 Bricks .....	Per 50 Bricks.....	10.50

### Books on Growing Mushrooms.

<b>Pamphlet</b> (gratis for a postal card asking for it).	
<b>Robinson's Book</b> (postpaid) .....	\$0.50
<b>Falconer's Book</b> (postpaid) .....	1.00



## MUSHROOM OR HOT BED THERMOMETERS

Heavy Iron Point style...\$1.25 | Heavy Brass Point Style...\$1.75  
Thermometers should, wherever possible, be sent by express. We do not guarantee safe arrival if forwarded by parcel post.

## ONION SETS

One quart will plant a row about 50 feet.

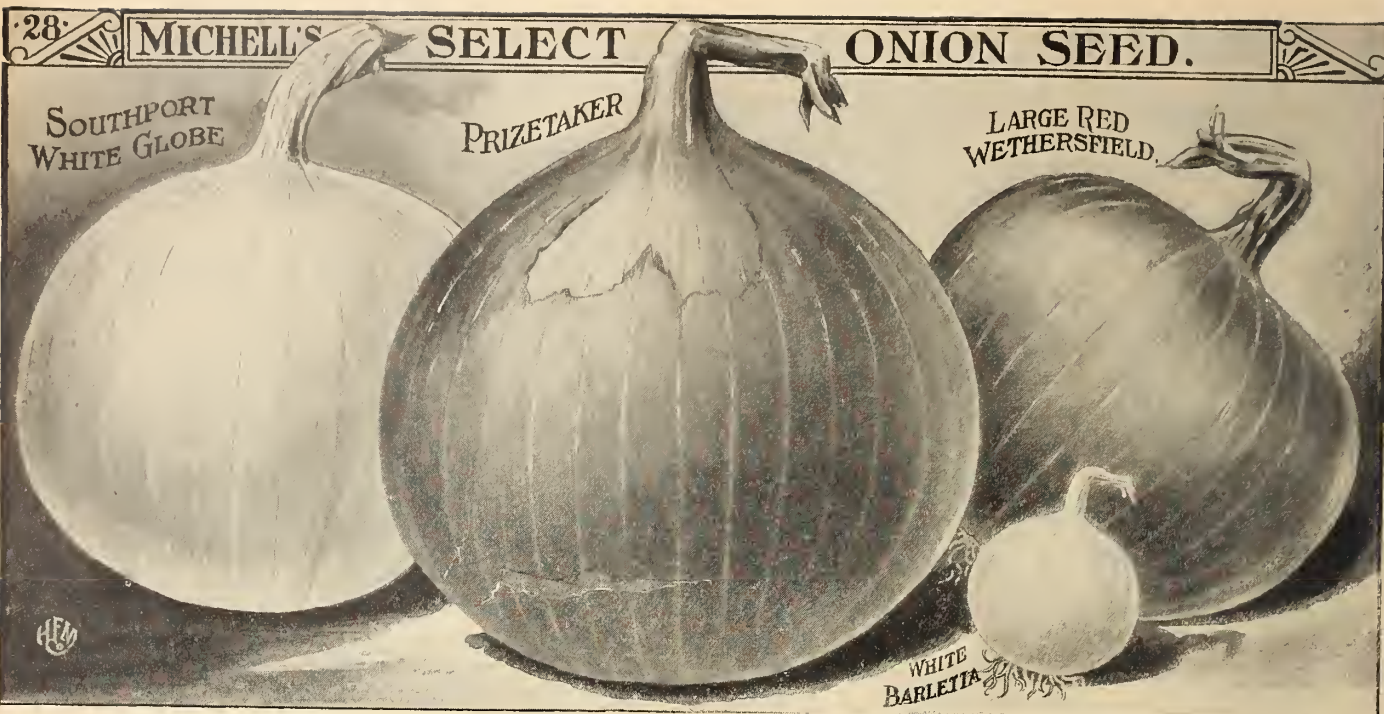
Plant just as soon as the ground can be worked. Press the bulb in the ground lightly (and do not cover); in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in the locality of Philadelphia for winter storage as early as July 10th. The advantage in planting onion sets lies in the fact that the young onion is ready in 5 weeks from the time of planting, while those grown from seed cannot be used until well in the autumn. For illustration see page 28.

Shipped on Local Orders about March 10, unless otherwise requested.

If wanted by mail add 5c. per pint and 10c. per quart for postage.

	Pint	Quart
Yellow .....	\$0.15	\$0.31
White .....	.20	.40
Red .....	.20	.40
White Multiplier .....	.20	.40
Potato Onions .....	.20	.40
Shallots .....	.20	.40
Tree or Top Onions. Can be supplied in September and October.		
Garlic Sets. Per lb., 40c.; 5 lbs. for \$1.75.		
We give 32 lbs. per bushel on Onion Sets.		

Prices change constantly. Prices for larger quantities than here quoted on application.



Ognon (Fr.); Zwiebel (Ger.); Cipolla (Ital.)  
 NOTE—All seeds on this page mailed postpaid to purchaser.

For full size onions, one ounce seed will sow a 100 ft. row; 5 to 6 pounds per acre. If it is desired to grow onion sets, sow 25 to 30 pounds per acre.

Sow in the early spring in rows 2 feet or less apart, according to cultivation method employed. The seed should be firmed in the soil. If it is desired to grow full size onions the first year, thin out when three inches high, so that they stand about two or three inches apart. White onions are mildest in flavor and are recommended for early use. The yellow sorts are best for winter keeping.

**Ailsa Craig.** The largest of all onions, often weighing three lbs. and over, each. In England it is the foremost variety and will be seen there on exhibition during all vegetable shows. It is globe-shaped, slightly pointed at the top and base; the color is a beautiful straw yellow. To obtain best results sow seed in the hotbed and later transplanted where it is to grow; in planting place 4 to 6 inches apart and thus procure gigantic specimens. Crops practically failed, though if we receive any seed from our growers we will be pleased to take care of orders for it.

**Bermuda White.** An early variety producing an immense flat partially globe-shaped bulb, producing (when transplanted about 4 inches apart) gigantic onions the first season. In the raw state it is very mild, while, when cooked, the flesh is tender and of a delicious flavor. For slicing it is one of the best. Pkt., 10c.; 30c. per ½ oz.; 1 oz., 50c.; \$1.75 per ¼ lb.; 1 lb., \$6.00.

**Danvers Yellow Globe.** This almost round shaped onion is extensively sown by the private and market gardener on account of its good keeping qualities. It is a dark straw color and always produces a good crop, growing to large size. Pkt., 10c.; ½ oz., 25c.; 50c. oz.; ¼ lb., \$1.40; \$5.00 per lb.

**Giant Gibraltar.** While not a new variety it is a splendid sort for the home garden. It grows to a mammoth size, some claim it to be even larger than Ailsa Craig under the same growing conditions. It is a light straw-yellow color, in shape not quite so globular as the former. It is rather mild in flavor and a splendid keeper. Crop practically failed, though if we receive any seed from our growers we shall be pleased to take care of any order for it.

**Large Red Wethersfield.** A flat large growing variety. This class are excellent winter keepers, being flavored much like the yellow sorts; full size onions can be grown in one season. Pkt., 5c. and 10c.; ½ oz., 20c.; 40c. oz.; ¼ lb., \$1.20; 1 lb., \$4.00.

**Prizetaker.** A mammoth yellow variety, if sown thinly it produces full size onions in one season from seed, rivaling with the Bermuda varieties for size and flavor, often weighing 3 lbs. and more. Pkt., 10c.; ½ oz., 25c.; oz., 50c.; \$1.40 per ¼ lb.; \$5.00 per lb.

**Southport Yellow Globe.** Similar to the Danvers except larger in size; more like the Prizetaker. This is probably one of the most uniform growing varieties, every bulb being almost perfectly round and of the same size; light straw colored skin. Pkt., 10c.; ½ oz., 25c.; 50c. oz.; ¼ lb., \$1.40; \$5.00 lb.

**Southport White Globe.** A beautiful type of an almost round onion, growing to enormous size. This is perhaps the best Onion of all for family use. The flesh when cooked, is of a rich milky color, of tender and delicious flavor and in the raw state it is one of the mildest. Pkt., 10c.; 35c. per ½ oz.; oz., 75c.; \$2.00 per ¼ lb.; lb., \$7.50.

**White Barletta.** Extra early small round variety used principally for pickling. 10c. per pkt.; 30c. per ½ oz.; oz., 60c.; \$1.75 per ¼ lb.; lb., \$6.00.

**Winter Keeper.** (See illustration on front cover page.) A new round-shaped yellow variety of good size, a wonderful keeper, lasting well into the summer. For some garden or market purposes it should prove to be a winner. The crop was very short so we have only a limited quantity to offer. 10c. per pkt.; ½ oz., 30c.; 60c. oz.; ¼ lb., \$1.75; \$6.00 lb.

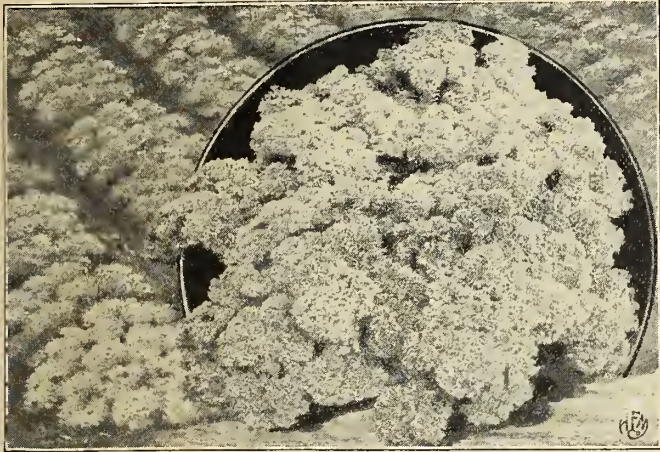
**White or Silver Skin.** The standard white onion for market or home use, it is of very mild flavor, semi-globe shaped and very uniform in growth and size. Pkt., 10c.; ½ oz., 30c.; 60c. per oz.; ¼ lb., \$1.75; \$6.00 per lb.

**Yellow Strasburg (or Dutch).** A dark straw color skinned sort, almost flat in shape but a large onion. Its fine keeping qualities is what recommends itself to the home as well as the market gardener. For a yellow sort it is rather mildly flavored; for growing sets more of this variety is sold than any other; one of the best winter keepers. Pkt., 5c. and 10c.; ½ oz., 25c.; 50c. per oz.; ¼ lb., \$1.40; \$5.00 per lb.



**ONION CULTURE**, a good book by a Practical Grower, 50c. per copy.

**BOOKS ON GARDENING**  
 The pleasures of gardening are materially increased with the aid of a good book on the subject. On page 200 of this catalog is offered a comprehensive list covering almost every phase of gardening. Add a few copies to your library.



Double Curled Parsley

## PARSLEY

Persil (Fr.); Petersilie (Ger.); Prezzerolo (Ital.)  
One ounce will sow a row 100 ft. long.

After soaking the seed for a few hours in warm water, it should be sown in rows 18 inches apart, and when 2 inches high thinned out so the plants will stand 4 inches apart in the row. It takes parsley seed from 3 to 6 weeks ordinarily to germinate, so that a little patience in growing this is necessary. Parsley can be continued over winter, if given a heavy covering of long manure.

**Champion Moss Curled.** Beautifully crimped and curled. It can be cut the year round. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

**Double Curled or Covent Garden.** A great improvement over all other varieties; a nicely curled leaf which has a tendency to retain its deep green color the entire season. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

**Hamburg or Roofed.** The fleshy roots are used for flavoring soups, stews, etc. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; \$1.50 per lb.

## PARSLEY PLANTS (Ready in April)

Large specimens, pot-grown, ready for use. 60c. per doz.; per 100, \$4.75. These plants cannot be mailed satisfactorily.

## PARSNIP

Panais (Fr.); Pastinake (Ger.); Pastinaca (Ital.)  
One ounce will sow a row 150 ft. long; 5 lbs. per acre.

Sow early in the spring in drills about 24 inches apart, covering the seed slightly; when the plants are 2 or 3 inches high, then thin out so the roots will develop; cultivate well during the growing season.

**Improved Sugar or Hollow Crown.** A very thick broad-topped root, which makes it lift easily. Flesh is very fine grained and sweet, while the outer surface is smooth and almost white. It yields enormous crops. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.25 lb.

## PEPPER

Piment (Fr.); Pfeffer (Ger.); Peperone (Ital.)  
One ounce produces 1200 plants.

Sow the seed in a hotbed or window box about March 1st. Transplant to the open when all danger from frost is over. Plant in rows 3 feet apart, 15 inches in the row.

**Apple Pepper.** Formed like an apple, standing upright on the plant; first green it afterwards turns a brilliant red; very mild in flavor. Very prolific early and continuous cropper. 3 inches in diameter. 10c. pkt.; 25c. ½ oz.; 50c. oz.; ¼ lb., \$1.75.

**Bell or Bull Nose (Sweet).** Very thick flesh, perfectly mild and a great producer. The large fruits are green, turning to vivid scarlet; fine for slicing on tomatoes or stuffed as mangoes. Pkt., 5c. and 10c.; ½ oz., 30c.; oz., 60c.; \$2.25 per ¼ lb.

**Bell Bull Nose (Hot).** This variety is identical with the Sweet sort bearing the same name, except it has a stronger flavor. Pkt., 10c.; ½ oz., 30c.; 60c. per oz.; ¼ lb., \$2.25.

**Cayenne.** A long red variety, very hot and used principally for bunching with pot herbs. Pkt., 5c. and 10c.; ½ oz., 25c.; oz., 50c.; \$1.75 per ¼ lb.

**Celestial.** A Chinese variety bearing roundish upright pods of various colors; very decorative. Pkt., 5c.; ½ oz., 15c.; oz., 30c.; \$1.00 per ¼ lb.

**Chili.** Used principally for seasoning and making sauce; the small narrow red pods are very hot. Pkt., 5c.; ½ oz., 15c.; oz., 30c.; \$1.00 per ¼ lb.

**Chinese Giant.** A monster pepper, perfectly sweet, green fruit, turning to bright scarlet; matures very late; a very shy seeder. Fine for stuffed mangoes. Pkt., 10c.; 40c. ½ oz.; oz., 75c.; \$2.50 per ¼ lb.

**Golden Dawn.** A large yellow variety, shaped like the Chinese Giant; very sweet. Pkt., 5c.; ½ oz., 15c.; oz., 30c.; ¼ lb., \$1.00.

**Pimiento.** See page 6 for illustration and description. A splendid, uniformly shaped, sweet variety. Green fruit, changing to red when fully ripe. Pkt., 10c.; 30c. per ½ oz.; per oz., 60c.; \$2.00 per ¼ lb.

**Red Cherry.** A small upright growing sort; very hot in flavor. Pkt., 5c.; ½ oz., 15c.; oz., 30c.; \$1.00 per ¼ lb.

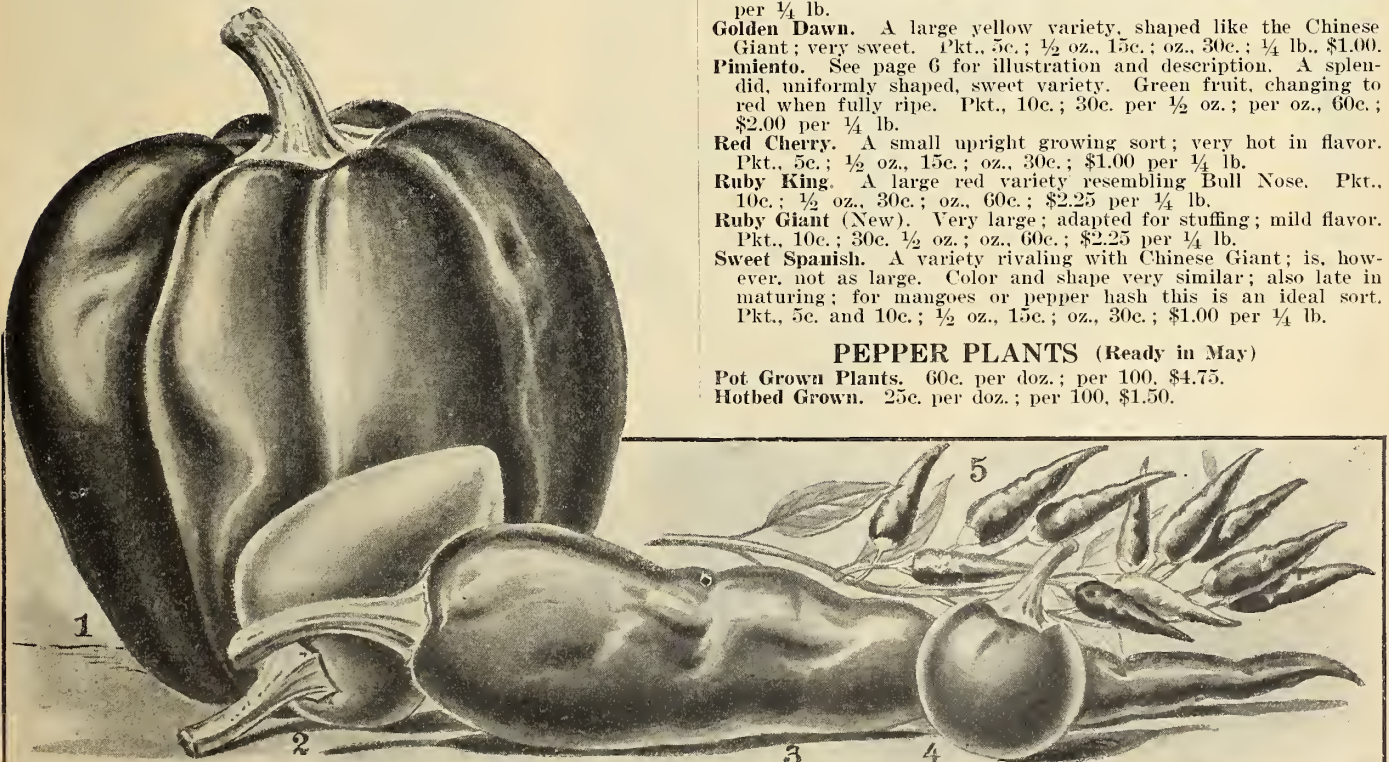
**Ruby King.** A large red variety resembling Bull Nose. Pkt., 10c.; ½ oz., 30c.; oz., 60c.; \$2.25 per ¼ lb.

**Ruby Giant (New).** Very large; adapted for stuffing; mild flavor. Pkt., 10c.; 30c. ½ oz.; oz., 60c.; \$2.25 per ¼ lb.

**Sweet Spanish.** A variety rivaling with Chinese Giant; is, however, not as large. Color and shape very similar; also late in maturing; for mangoes or pepper hash this is an ideal sort. Pkt., 5c. and 10c.; ½ oz., 15c.; oz., 30c.; \$1.00 per ¼ lb.

## PEPPER PLANTS (Ready in May)

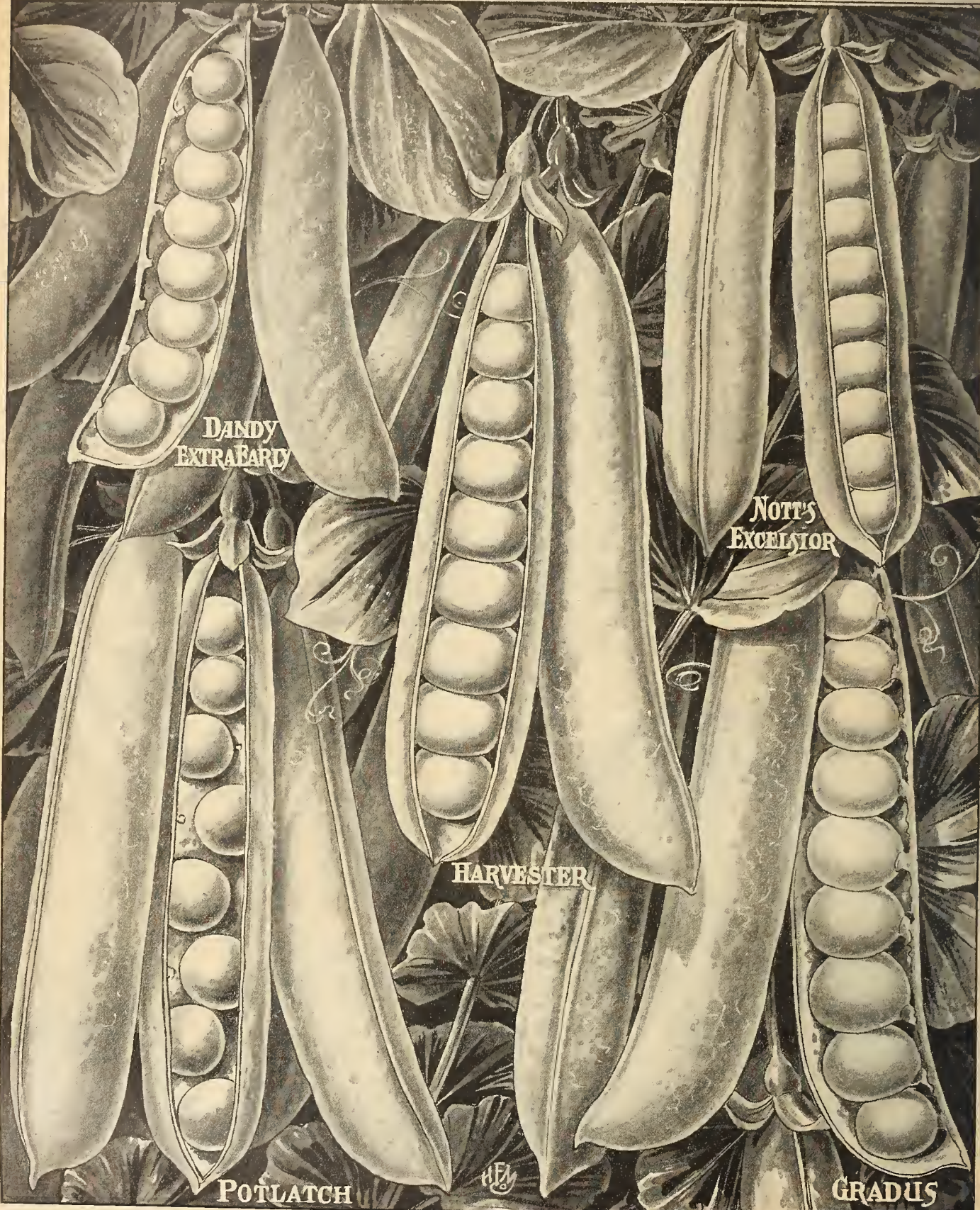
Pot Grown Plants. 60c. per doz.; per 100, \$4.75.  
Hotbed Grown. 25c. per doz.; per 100, \$1.50.



PEPPERS. 1, Chinese Giant. 2, Celestial. 3, Cayenne. 4, Cherry. 5, Chili

All seeds on this page mailed postpaid to purchasers

30 MICHELL'S CHOICE GARDEN PEAS \*



DANDY  
EXTRA EARLY

NOTT'S  
EXCELSIOR

HARVESTER

POTLATCH

GRADUS

HFA



# MICHELL'S CHOICE GARDEN PEAS 31

Pois (Fr.); Erbsen (Ger.); Pisello (Ital.).

1 qt. will plant 100 ft. of row, one and a half to two bushels per acre.

If peas are wanted by mail, allow 8c. per pint for postage.

Large Pkts. of all Varieties of Peas, 10c., Postpaid.

The smooth seeded varieties can be sown as soon as the ground is open; the wrinkled sorts when the ground has become warmer. The distance for planting apart depends somewhat on the variety. To have a continuous crop, sow weekly up to June 15th, and again about August 15th. For the last planting, 60 days before frost, use the dwarf early varieties.

## EXTRA EARLY VARIETIES

**Alaska.** Smooth seeded, very early, height 2½ feet. 35c. per pt.; 65c. per qt.; 4 qts., \$2.25.

**Ameer.** A very large podded early pea, following the Alaska. It is a heavy cropper. Grows about 2½ feet. Pt., 35c.; 65c. qt.; 4 qts., \$2.25.

**American Wonder.** The earliest wrinkled dwarf variety, exceedingly sweet; height 10 to 12 inches. 35c. per pt.; per qt., 65c.; \$2.25 per 4 qts.

**Bountiful.** A bluish round pea of large size. The pods are very large and well filled; it is very early, a good cropper, suited to the first and last planting, grows 24 to 30 inches high. Pt., 30c.; 60c. qt.; 4 qts., \$2.25.

**Dandy Extra Early.** These are a selection of the Eureka, but will be found far superior; smooth seeded, very prolific and desirable for the kitchen and market garden, height 24 inches. Per pt., 30c.; 60c. per qt.; per 4 qts., \$2.25.

**Early June.** A green seeded smooth pea, desirable for first planting, an improvement on Alaska; height, 2½ feet. 35c. per pt.; 65c. per qt.; \$2.25 for 4 qts.

**Early Morn.** One of the earliest of wrinkled peas, earlier and better, it is claimed, than Gradus or Thos. Laxton. The pods are large and well filled, mature in 60 days; very prolific. Pt., 35c.; 65c. per qt.; 4 qts., \$2.25.

**Eureka.** A great producer and extremely early, smooth seeded; height, 24 inches. 25c. per pt.; qt., 50c.; \$1.80 per 4 qts.

**Gradus or Prosperity.** Never was there a pea offered which is so greatly demanded as this very early sort. It is exceedingly luscious, wrinkled and a producer of gigantic pods and peas; height, 36 inches. 35c. per pt.; qt., 70c.; 4 qts., \$2.50.

**Laxtonian.** A real sweet marrowfat extra early variety, growing about 12 inches high; very prolific and deserves extensive planting. Pt., 40c.; 75c. per qt.; 4 qts., \$2.75.

**Little Marvel.** Wrinkled; dwarf, 18 to 20 inches; prolific and sweet. Pt., 20c.; 40c. qt.; 4 qts., \$1.40; \$2.50 peck.

**MicHELL's Special Ex. Early.** Of the smooth seeded sorts this is the peer. Extremely early, lusciously sweet and very tender, a grand yielder; height, 24 inches. 30c. per pt.; 60c. per qt.; 4 qts., \$2.00.

**Nott's Excelsior (Improved Strain).** A splendid early wrinkled pea, producing heavy crops of full pods very early. One of the leading varieties for the home or market garden. Height, 15 inches. 30c. per pt.; qt., 60c.; 4 qts., \$2.25.

**Premium Gem (or McLean's Little Gem).** Similar to American Wonder, but a heavier producer, wrinkled seed; height, 18 inches. 30c. per pt.; per qt., 60c.; 4 qts., \$2.25.

**Sutton's Excelsior.** This wrinkled variety is quite hardy and can be planted earlier than most other wrinkled; very early. It grows about 16 inches and makes a long broad pod, well filled; it follows the extra sorts and is a great producer. Pt., 35c.; 65c. qt.; 4 qts., \$2.25.

**The Pilot or Leader.** The earliest of round seeded varieties. The pods and peas are nearly as large as those of Gradus. It can be planted, of course, much earlier. The vines are of vigorous growth, 3 feet high and produce an abundance of pods. The peas are of finest flavor. Per pt., 30c.; 60c. per qt.; 4 qts., \$2.00.

**Thos. Laxton.** On a par with Gradus in quality, heavy producer, wrinkled, exceedingly early. The pods are large and filled to the tip with large peas of excellent flavor. Its strong vine and heavy cropping qualities make it very suitable for an early crop in the private garden; height, 36 inches. 35c. per pt.; qt., 70c.; \$2.50 for 4 qts.

**NOTE.**—Peas are an exceptionally scarce item in the seed business this year, owing to the very poor crop harvested. It is important that one covers their requirements early, as there will not be near enough seed to fill normal needs.

## SECOND EARLY VARIETIES

**Bliss Abundance.** Produces very large pods containing six and even more peas of a delicious flavor; a great yielder; wrinkled; height, 20 inches. Per pt., 30c.; 60c. per qt.; per 4 qts., \$2.25.

**Daisy or Dwarf Telephone.** One of the best medium early sorts, bearing heavy pods in the greatest abundance; wrinkled and very sweet; height, 18 inches. Per pt., 35c.; 70c. per qt.; 4 qts., \$2.50.

**Harvester (New).** This is a grand variety for the home garden. The pods contain frequently as many as 10 peas of delicious quality. It is wrinkled, grows about 18 inches high and is a great producer. 30c. per pt.; qt., 60c.; \$2.00 for 4 qts.

**Heroine.** A fine wrinkled variety, claimed to be one of the finest peas in existence; height, 2 feet; a great cropper. Per pt., 30c.; 60c. per qt.; 4 qts., \$2.25.

**Long Island Mammoth.** Largely planted in private and market gardens; it yields handsome large peas, very tender; height, 3½ feet. Per pt., 30c.; 60c. per qt.; 4 qts., \$2.25.

**Potlatch.** A wrinkled variety, similar to Daisy, very sweet, produces cups well filled with peas. 35c. pt.; qt., 70c.; \$2.50 per 4 qts.

## SUGAR OR EDIBLE POD PEAS

This type produces large, well-filled pods. They are cooked with the peas intact; very tender and exceedingly sweet.

**Dwarf Gray Sugar.** Gray seed; height, 2 feet. 20c. pt.; 40c. per qt.; \$1.50 for 4 qts.; peck, \$2.75.

**Tall Melting Sugar.** Gray seed; height, 4 feet. 20c. pt.; 40c. per qt.; \$1.50 for 4 qts.; peck, \$2.75.

## GENERAL OR LATER CROP VARIETIES

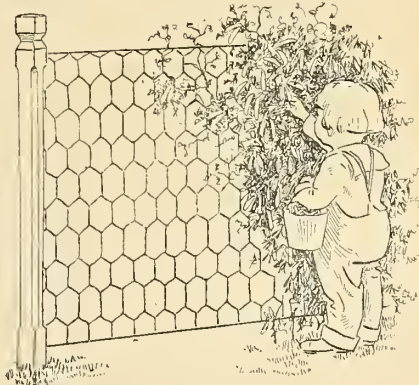
**Champion of England.** A very tall rank grower, but a wonderful yielder of delicious quality peas; seed wrinkled; height, 5 feet. Per pt., 35c.; 65c. qt.; 4 qts., \$2.25.

**Dwarf Champion.** Possesses most all the good qualities of the famous Champion of England, and has the further advantage of being dwarf; a very delicious pea which should be planted extensively; height, 2 feet. Per pt., 35c.; 65c. per qt.; \$2.25 for 4 qts.

**Telephone (Tall).** The finest late wrinkled pea grown; exceedingly sweet; an abundant producer; height, 3½ feet. Per pt., 35c.; 65c. per qt.; 4 qts., \$2.25.

## WIRE PEA TRELLIS

The ideal support for garden peas and sweet peas; neater, more economical than brush; can be rolled up when the season is over with and stored. Made of strong galvanized netting and substantial uprights, neatly painted and finished. Ten ft. sections, 48 inches high, \$1.25 per section; 10 sections for \$10.00.



## REDUCE YOUR HOUSEHOLD EXPENSES

Put up your own vegetables and fruits with a Steam Canner, Model No. 7, or with the Improved Water Seal Canner. These canners will more than save their cost in a few days' work. No more standing over hot stoves when using these. They make canning a certain success. Write to us for special circulars and prices.

# Michell's Maine-Grown Seed Potatoes

Plant 12 to 14  
Bushels Per Acre

Our Potatoes are Grown Expressly for Seed Purposes in the Best Districts of Maine  
Pomme de Terre (Fr.); Kartoffel (Ger.); Patata (Ital.)



**TIME OF SHIPMENT.**—Potato shipping with us commences about March 15th (weather permitting), unless otherwise requested. We can ship them at customer's risk any time during cold weather.

Our potatoes are put up in barrel sacks of 165 lbs. each. Shipment in barrels can be made at a cost of 50c. each for barrels.

**Beats Them All (Michell's).** This famous variety has given the best results wherever tried, yielding more than any other early potato; quality fine, extremely early, coming in about one week or ten days earlier than Early Rose. Oblong in shape.

**Beauty of Hebron.** Somewhat earlier than Early Rose, otherwise very similar. Good yielder.

**Bliss Triumph or Red Bliss.** A very early thin-skinned variety, they are frequently offered as Southern or Bermuda grown.

**Bovee.** Earlier than Early Rose; quality excellent; pink flesh; cooks white; dwarf in growth; roundish oblong in shape.

**Early Ohio.** A seedling of the Early Rose, ripens about a week earlier; slightly round in shape.

**Early Rose (Houlton or Maine).** A leading variety for earliness, quality and productiveness; pink skin, oblong shape.

**Green Mountain.** An excellent general crop variety; white, roundish flat.

**Irish Cobbler.** A splendid sort, almost round in shape.

**Noroton Beauty.** The earliest and most productive potato grown, and of superb table qualities. Red skin, round in shape.

**State of Maine.** An old favorite, grown by every gardener; good keeper; flat in shape.

**White Star.** As a kitchen garden variety, or sort for commercial use, there are few as good; excellent for baking; long in shape.

**White Rose.** A splendid white-skinned general crop variety; semi-oval in shape; medium-sized; almost proof against potato bugs.

**SWEET POTATO PLANTS** (See page 39)

## REGARDING POTATO PRICES

At the time of printing this catalog prices for potatoes could not be anticipated. We can, however, assure our customers that we will fill their orders at the market price for first-class quality. Please do not compare Maine-grown Seed Potatoes, which we handle exclusively, with New York State grown stock.

There are more varieties of Seed Potatoes than those we offer, but those listed here are tried and proved.

## HYBRIDIZED POTATO SEED

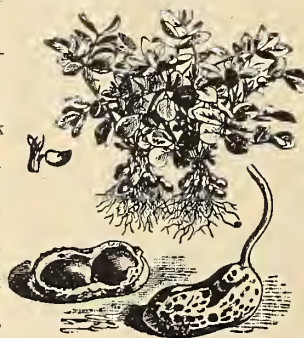
Growing new and distinct Seedling Potatoes from the Seed-Ball Seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes and qualities. The product will astonish you. Some may be of immense value and bring you a golden harvest. Full directions on packet. Pkt., 15c.; 25c. for 2 pkts.

## CONCAVE POTATO KNIVES

For cutting out the eyes of seed potatoes prior to planting. Made of best steel with concave blade. 35c.; 3 for \$1.00.

## POTATO SCAB DESTROYER

Dilute 1 quart in 25 gallons of water and soak the seed potatoes in this solution for two hours before cutting. They should then be taken out and dried; 25 gallons treating liquid is sufficient for approximately 15 bushels of potatoes.



Peanuts

## PEANUTS

Arachide (Fr.); Erdnuss (Ger.);  
Cece de terra (Ital.)

One bushel nuts unshelled will plant an acre, but shell must be removed beforehand.

It is generally believed peanuts cannot be grown anywhere north of Virginia, but this is a mistake; most any well-drained garden soil suits them, where they will yield a big crop. The peanut plant rather enriches the soil instead of impoverishing it, as it is an abundant gatherer of free nitrogen. Selected Virginia, 15c. pint (by mail 20c.); 30c. qt. (by mail 35c.); \$1.00 for 4 qts.; peck, \$1.50.

**PENNYROYAL** (See pages 37 and 38)

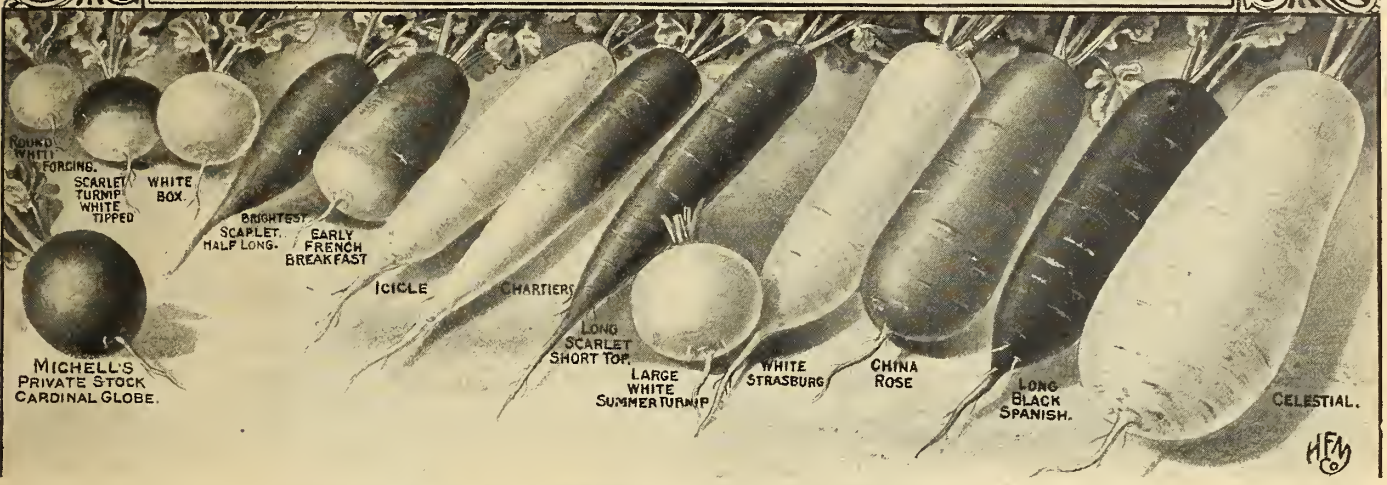
## ASPINWALL POTATO CUTTERS

Hand power, \$17.50 each



Pumpkin—Large Tours or Mammoth

(For list of varieties of Pumpkin, see page 33)



Radis (Fr.); Radieschen (Ger.); Ravanelli (Ital.).

One ounce of seed will sow a row about 75 feet long; 8 to 10 lbs. are required for an acre.

Radishes should be sown in good rich ground, where they can make rapid growth, for then only do they produce the best results. The winter radishes are sown in July and are developed by autumn, at which time they may be taken up and stored in cool cellars and covered with sand.

## EARLY VARIETIES

**Cardinal or Scarlet Globe.** The very best forcing variety, of globular shape and brilliant cardinal red color. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.25 per lb.

**Cardinal Globe (Improved Strain).** This popular radish will be welcomed readily in an improved form. The color and shape are perfect. Pkt., 10c.; 15c. per ½ oz.; per oz., 25c.; ¼ lb., 75c.; \$2.50 per lb.

**Crimson Giant.** Turnip shaped; very large and tender. Pkt., 5c.; 15c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

**Early French Breakfast.** Oblong shape, rapid grower, very mild and tender, of a beautiful scarlet color, tipped with white. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

**Icele.** A magnificent white variety of fine taste, grows 3½ to 4 in. long in 22 days. Also suitable for summer sowing. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.25 per lb.

**Icele (Improved Strain).** A selection of seed made from perfect roots, thus ensuring utmost uniformity. Pkt., 10c.; 15c. per ½ oz.; 25c. per oz.; ¼ lb., 75c.; \$2.50 per lb.

**Long Scarlet Short Top or Salmon.** A favorite variety; long bright scarlet with small top. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

**Round Red Forcing or Button.** Very quick in maturing; splendid for hot bed or garden culture. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

**Scarlet Turnip, White Tipped.** Fine early scarlet variety with white point. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.25 per lb.

**White Box, Felton's.** (Private stock.) A selection of the old reliable White Box radish, more perfect form, producing shorter tops, and does not have a tendency to grow long in shape. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

## SUMMER AND WINTER VARIETIES

**China Rose.** Bright rose color; flesh firm. One of the best for winter use. Half-long in shape with a scarlet blunt tip. Winter radishes should be cultivated more extensively than what they are. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

**California White Winter.** Grows 8 to 10 inches long. One of the best for winter. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

**Celestial or White Chinese.** Large size. Pure white, excellent keeper. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

**Half Long Black.** A great improvement on the old Long Spanish Radish. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

**Round Black Spanish.** Like the above, except in form. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

**White Strasburg.** Oblong, of a pure white color, and mild flavor; a splendid variety for summer. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

## PUMPKIN

Potiron (Fr.); Grosse Kurbis (Ger.); Zucca (Ital.).

One ounce will plant 25 hills; 4 to 6 lbs. for an acre.

Plant any time after the ground has become permanently warm, about four seeds to the hill; the latter to be about 8 feet apart each way. To obtain strong vines they may be pinched back somewhat, and if large specimens are desired, leave but one or two pumpkins on a vine. Do not plant near other vine crops, as they may hybridize the latter and spoil the taste; they can also be planted among corn after the last working.

**Cashaw or Golden Crook Neck.** A very meaty sort; suitable for pie or stock feeding purposes; flesh golden yellow and very tender. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; 1 lb., \$1.75.

**Connecticut or Common Field.** Shape almost round; fruits produced in great abundance; flesh coarse and suitable only for stock feeding; color light yellow. Pkt., 5c.; 10c. per oz.; ¼ lb., 30c.; \$1.00 per lb.

**Japanese Pie.** A crook-necked variety, deep green with darker stripes, which turn to a rich golden yellow. The fruit sets and matures early. The name given to it is derived from the seed, which is curiously marked like Japanese letters of the alphabet. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 lb.

**Large Cheese.** A very large, flat ribbed fruit, of a beautiful buff yellow color; the interior is of fine quality. An enormous producer, ideal for market, home gardens and canning purposes. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 lb.

**Large Tours or Mammoth.** The biggest pumpkin in cultivation, producing fruits that often weigh 200 lbs. When fully ripened it is of a golden orange color, free from stringiness and ideal for pie-making or cooking. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 lb.

**Tennessee Sweet Potato.** An oblong-shaped, medium-sized fruit with a very light buff yellow skin. For pies it is delicious, while for cooking for table use it is dry and tasty, resembling the flavor of mashed sweet potatoes. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 lb.

**Winter Luxury.** Known as the New England pie pumpkin. No Thanksgiving dinner there is complete without the palatable pumpkin pie, made from this variety. This is also used for making Jack-o-Lanterns, for which purpose it is well suited on account of its very round and symmetrical shape. The skin is a russet yellow, while the flesh golden orange when ripe. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 lb.

### MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains a mine of information on things horticultural and agricultural. There is a free copy for you. Just say, Send me "Practical Garden Pointers," and watch how quick you get it.

# MICHELL'S VEGETABLE SEEDS



**RHUBARB.** The method of placing a barrel without a bottom over a Rhubarb clump has a tendency to draw up the stalks, thus increasing the yield, as shown in the illustration above.

## RHUBARB

Rhubarb (Fr.); Rhabarber (Ger.); Rabarbaro (Ital.)

Extra large clumps for outside planting or this can be grown from seed as well as roots. Seed should be sown outdoors in April in rows 3 ft. apart. The following spring they should be transplanted into permanent beds, the roots placed 3 feet apart each way; the year following that, or two years after sowing the seed, it may be used. Roots may be planted in October or in the spring up to May 15th.

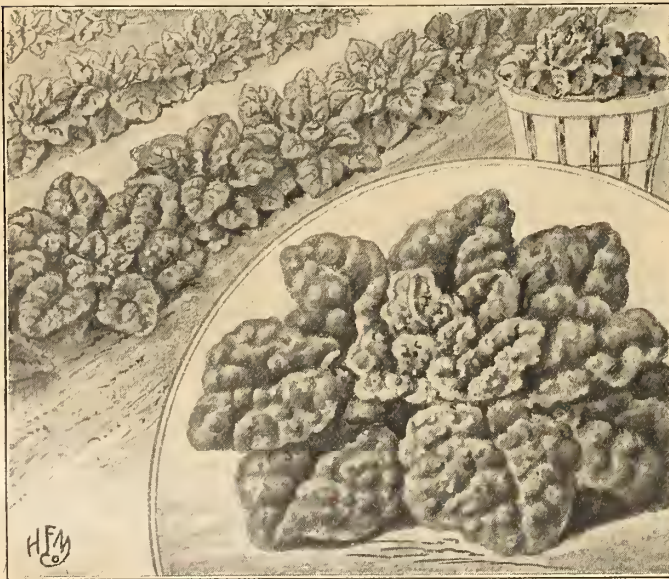
**Victoria.** Immense long stalks of a cherry red color, which cook splendidly, have no strings or coarse matter. This makes it a most popular variety. Pkt. 5c. (10c. per large pkt.), oz. 15c., 50c. per ¼ lb., lb. \$1.50.

## RHUBARB ROOTS

(Ready from October to May 15th.)

**Victoria First Size Roots.** 15c. each (by mail, 20c.); \$1.25 per doz.; per 100, \$7.00.

**Victoria Forcing Size Roots;** also for outdoor planting. 25c. each (not available); \$2.50 per doz.; 25 for \$4.25; \$15.00 per 100.



SPINACH

**NOTE—All seeds on this page sent postpaid to purchaser.**

**ROSEMARY** (See pages 37 and 38)

**RUTA BAGA** (See page 37)

**SAGE** (See pages 37 and 39)

**SAFFRON** (See page 37)

**SAVORY** (See pages 37 and 39)

**SHALLOTS** (See page 20)

**SWEET BASIL** (See page 37)

**SWEET MARJORAM** (See pages 37 and 39)

**SALSIFY** (Oyster Plant)

Salsifs (Fr.); Hafer Wurzel (Ger.); Salsafia (Ital.)

One ounce of seed will sow about 50 feet of drill. 10 lbs. per acre.

Sow in early spring, in drills fifteen inches apart and one to two inches deep; when about 4 inches high, thin to three inches apart. Soil should be very deep and mellow in order that the root may grow straight down. Store same as carrots for winter use, or they can be left in the ground until spring. This is one of the finest vegetables stewed and served with a cream dressing, while if sliced or made into cakes and fried like parsnips, they taste like a delicious oyster.

**Mammoth Sandwich Island.** This variety is of enormous size, twice as large as the ordinary white; pure white, very tender and delicious. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; 85c. per ¼ lb.; lb., \$3.00.



## SORREL

Oseille (Fr.); Sauerampfer (Ger.); Acetosa (Ital.)

Relished principally by the French people, who use it as a spinach dressing; also as a salad. Has an acid flavor. A sowing lasts a number of years. Being hardy, the seed stalks should be cut off when they appear. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 lb.

## SPINACH

Epinard (Fr.); Spinat (Ger.); Spinaccio (Ital.)

One ounce will sow a row about 75 feet long; 10 to 12 pounds are required for an acre. Sow for spring use in drills one foot apart, covering the seed about one-half inch, as early as the ground can be worked, and continue to sow every two weeks till May 15th. Spinach seed seldom germinates during June, July or August, so we do not recommend sowing again until September, which is the season to provide an early winter and spring crop. Seed sown then is generally broadcasted and on approach of cold weather is covered with long manure, salt hay, straw or other suitable litter. On mild winter days it may be gathered, but it should not be disturbed while the plant is frozen. For a supply of spinach during summer, the New Zealand variety is sown in April or May. Spinach can also be grown successfully under hot bed sash during the early winter and spring months.

**Bloomsdale Round-Seeded Savoy (Improved Strain).** The hardiest variety; curled and crimped, thick, fleshy leaves; the best for early spring and fall sowing. Pkt., 5c. and 10c.; 20c. oz.; 60c. per ¼ lb.; per lb., \$2.25.

**Long Season.** A cross between the old reliable Bloomsdale and the Victoria. It produces tremendously large plants and leaves which are strong and robust. It will resist heat better without shooting to seed than any variety yet introduced. The leaves are somewhat curled and are tender. Color, a beautiful dark green. Pkt., 5c. and 10c.; 20c. per oz.; per ¼ lb., 60c.; \$2.25 per lb.

**New Zealand.** This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is an enormous yielder, growing upright; one sowing can be picked from the entire summer. A very distinct variety. Pkt., 5c. and 10c.; 20c. per oz.; per ¼ lb., 60c.; \$2.25 per lb.

# MICHELL'S VEGETABLE SEEDS

NOTE.—All seeds on this page are sent postpaid to purchaser.



## SQUASH

Course (Fr.); Speisse Kurbis (Ger.); Zucca (Ital.)

One ounce will plant 20 to 50 hills, 3 to 4 lbs. are required for an acre.

This vegetable is a popular one for summer and winter use, and being susceptible to cold it should not be planted until the ground is thoroughly warm. There are two varieties, the bush sort being planted in hills 4 to 5 feet apart each way; the running varieties require planting 8 to 15 feet apart in order that the fruits may develop properly. Place 8 to 10 seeds in a hill, and when the third stage of leaves are set, thin out to about 4 plants in a hill. Some varieties, as will be noted below, are ideal for pie-making, more delicious than some of the pumpkins.

### SUMMER VARIETIES

**Golden Custard.** A flat scalloped type, like the White Bush; the skin is of a light yellow color, which is very thin, leaving plenty of meat in the centre; a bush or compact growing kind. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 lb.

**Mammoth White Bush.** Of round scalloped form with an ivory white skin. This variety has an abundance of meat of very fine flavor. It is one of the earliest to mature and is very prolific, bearing continually until killed by frost. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 lb.

**Yellow Summer Crook Neck.** Shaped like a club with a bent neck. The skin is very rough and warted, of an orange yellow color. Much preferred by the cook on account of its very dry meat when boiled. This is a variety with a running vine. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 lb.

### FALL AND WINTER VARIETIES (Running Sorts)

**Boston Marrow.** Shaped similar to Hubbard, golden orange; fine for canning for winter use; cooked as a vegetable or in pie. Pkt., 5c. and 10c.; 15c. oz.; 50c. ¼ lb.; lb., \$1.50.

**Delicious.** Well named, as it has the finest flavor of any squash, of oblong shape with a deep green skin and thin rind, with a seed cavity so small that it almost meets in the centre. One of the best winter keepers; grown extensively for market; when matured it weighs from 5 to 10 lbs. and is in its prime during the early winter; one of the very best. Pkt., 5c. and 10c.; 15c. per oz.; 50c. per ¼ lb.; lb., \$1.50.

**Golden Hubbard.** Used extensively for pie, but served as a vegetable; it is very dry and delicious. The outside is a deep orange red, while the flesh is very tender. Pkt., 5c. and 10c.; oz., 20c.; 60c. per ¼ lb.; lb., \$2.25.

**Vegetable Marrow.** A long greenish white variety; fine for cooking; very sweet and tender. This is the favorite squash with the English people. Pkt., 5c. and 10c.; 20c. per oz.; per ¼ lb., 60c.; \$2.25 per lb.

## SWISS CHARD (Spinach Beet)

Poireau (Fr.); Mangold Kohl (Ger.); Porro (Ital.)

1 oz. will sow a row about 50 feet long.

A wonderful vegetable which is known but too little. From every possible standpoint it has qualities that recommend its use in every household. Readily grown from seed, when it can be used five weeks after sowing and is a continuous crop until killed by frost. The plant does not produce a beet root, but its valuable part is all above the ground; large leaves with broad ribs grow from the centre of the plant; the outer leaves only should be carefully pulled from the plant and the foliage part separated from the rib in preparing to cook. The former when cooked is served like spinach, which it resembles in taste; the ribs when boiled and served with melted butter are equal of finest asparagus.

**Giant Lucullus.** Very tall growing; crinkly leaves often two feet long; a beautiful ornamental plant for any garden. Pkt., 10c.; 15c. per ½ oz.; per oz., 25c.; 75c. per ¼ lb.; lb., \$2.75.

**Silver Leaved.** Not quite as tall as the Lucullus, nor so well crinkled. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.50 lb.

**TARRAGON** (See page 39)

**THYME** (See pages 37 and 39)

**WORMWOOD** (See page 37)

## TOBACCO SEED

Many people like to have a few plants of this in the garden. It attracts butterflies. The flower is very sweet scented, while the leaves may be dried, cured and made into smoking tobacco and cigars. Sow in a box indoors; transplant when about 3 inches high into thumb pots, and set outdoors in May.

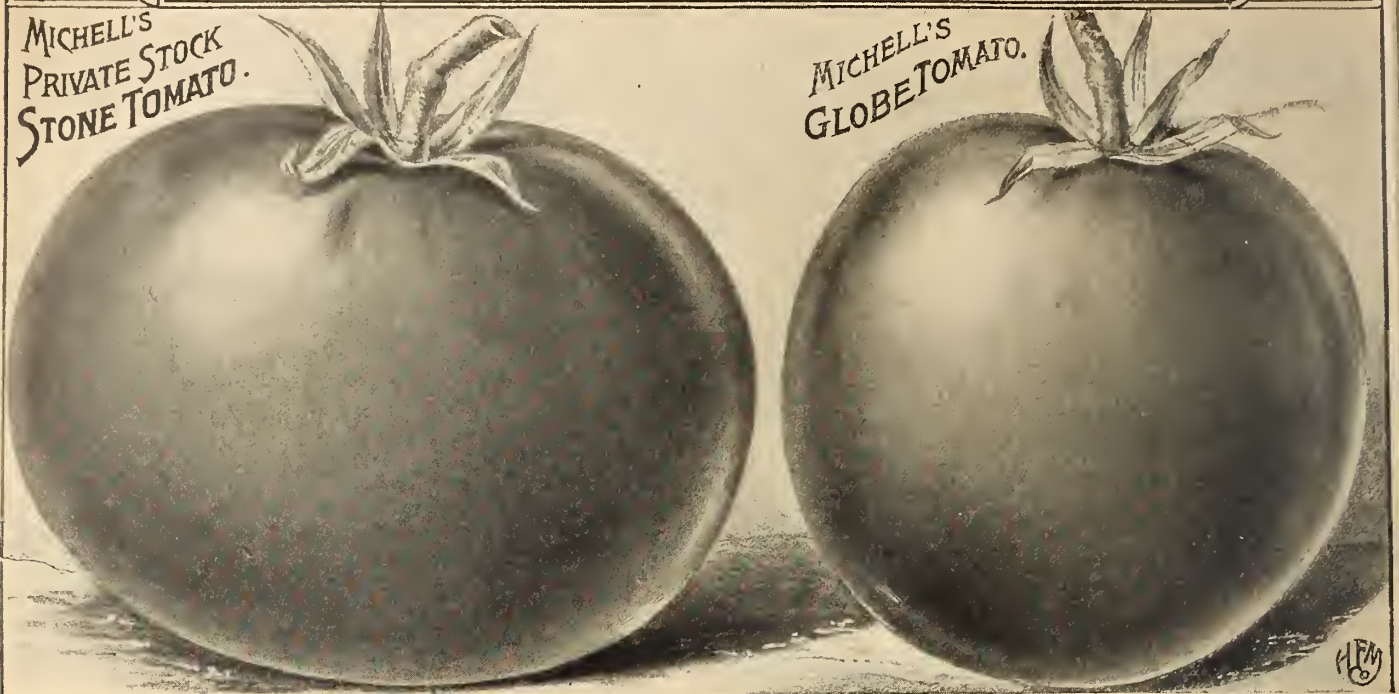
	Pkt.	½ oz.	Oz.
Connecticut Seed Leaf	\$0.10	\$0.15	\$0.30
Havana Seed Leaf	.10	.20	.40
Pennsylvania Seed Leaf	.10	.15	.30



Giant Lucullus Swiss Chard

MICHELL'S  
PRIVATE STOCK  
STONE TOMATO.

MICHELL'S  
GLOBE TOMATO.



Pomme d'Amour (Fr.); Liebes Apfel (Ger.); Pomo d'oro (Ital.).

One ounce will produce 3500 plants; ¼ lb. will provide enough for an acre.

Sow in the house or hotbed about March 1st, transplant when 3 inches high, and again later to produce vigorous specimens. Set plants outdoors about May 1st in rows 3 feet apart, 18 inches in the row or in hills 4 feet apart each way. Properly grown tomato plants should be supported. **Note.**—All seeds on this page mailed postpaid to purchaser.

**Beauty.** One of the largest bright red tomatoes, solid and meaty, quite early. Pkt., 5c. and 10c.; 20c. per ½ oz.; 40c. per oz.; ¼ lb., \$1.50.

**Bonny Best.** One of the most prolific of early tomatoes. The size is not so large, but it is very prolific and evenly formed. Color, a beautiful bright red. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.50 per ¼ lb.

**Crackerjack (Michell's).** This is one of the best early tomatoes for the home garden, its productiveness being wonderful; quite free from acid and of a convenient size. Color, rich red and produced in clusters. Be sure and try it if you have not already done so. Pkt., 10c.; ½ oz., 30c.; 60c. per oz.

**Dwarf Champion.** A distinct type, the plant looks like a miniature tree; very dwarf and compact; color of fruit, bright red and very solid; late maturer. Pkt., 10c.; 20c. per ½ oz.; per oz., 40c.; \$1.50 per ¼ lb.

**Dwarf Stone.** A dwarf compact growing plant, yielding a large crop of medium-sized very solid tomatoes. Color, bright red. The plant is very distinct and upright; late cropper. Pkt., 10c.; 20c. per ½ oz.; per oz., 40c.; \$1.50 per ¼ lb.

**Dwarf Giant.** A dwarf type of the true Ponderosa; very meaty, of rich purple red, gigantic size, a fine shipper. 10c. pkt.; ½ oz., 20c.; 40c. oz.; ¼ lb., \$1.50.

**Earliana (Spark's).** The most prolific early tomato ever produced. Grows in clusters; medium in size; solid and very desirable. Pkt., 10c.; 20c. ½ oz.; oz., 40c.; \$1.50 ¼ lb.

**Early Jewel (Chalk's).** A favorite variety with the market gardener. Color, a bright red; solid and good shipper. Pkt., 10c.; 20c. per ½ oz.; per oz., 40c.; \$1.50 per ¼ lb.

**Globe (Livingston's).** A handsome variety, especially adapted to slicing; very solid; color a handsome red and a great producer; one of the best general crop varieties. Pkt., 10c.; 20c. ½ oz.; 40c. per oz.; per ¼ lb., \$1.50.

**Globe (Michell's Improved).** One of the largest and heaviest of the late tomatoes on our list, the shape is rather oblong so that for slicing it cuts more from a fruit than any other variety; absolutely smooth, never cracks and colors right to the stem. Pkt., 10c.; 25c. per ½ oz.; oz., 50c.; \$1.75 per ¼ lb.

**Golden Queen.** Large yellow fruit; very sweet, almost free from acid; splendid for preserving. Pkt., 10c.; ½ oz., 15c.; oz., 30c.

**Greater Baltimore.** An excellent canning or market variety, very large and solid general crop, rich color and of uniform size. 10c. pkt.; ½ oz., 20c.; 40c. per oz.; ¼ lb., \$1.50.

**June Pink.** One of the recent introductions in tomatoes. In habit it is very much like Earliana, but a beautiful pink color. 10c. pkt.; ½ oz., 20c.; 40c. per oz.; per ¼ lb., \$1.50.

**Matchless.** Large red fruit, general crop variety. Pkt., 10c.; ½ oz., 20c.; oz., 40c.; ¼ lb., \$1.50.

**Ponderosa.** The largest tomato in existence; a beautiful deep pink. Pkt., 10c.; 25c. per ½ oz.; per oz., 50c.; \$1.75 per ¼ lb.

**Red Rock.** One of the most solid varieties, medium early and of a brilliant red color, a fine one for the home or market garden. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.50 per ¼ lb.

**Stone (Michell's Private Stock).** A very careful selection of the old favorite Stone. The fruits are larger, more even, and produced in greater abundance. Pkt., 10c.; 25c. per ½ oz.; per oz., 50c.; \$1.75 per ¼ lb.

**Stone (Usual Strain).** Pkt., 5c. and 10c.; 20c. per ½ oz.; per oz., 40c.; \$1.50 per ¼ lb.

FORCING TOMATOES

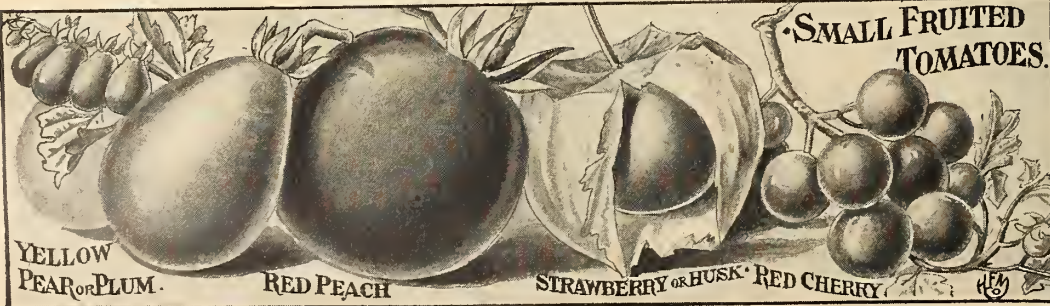
	Pkt.	½ Oz.	Oz.
Balch's			
Fillbasket	\$0.15	\$0.25	\$0.50
Best of All	.15	.25	.50
Comet	.10	.25	.50
Eclipse (original pkts.)	.50		
Sterling Castle	.10	.25	.50

SMALL FRUITED TOMATOES

	Pkt.	½ Oz.	Oz.
Red Cherry	\$0.05	\$0.15	\$0.30
Red Peach	.05	.15	.30
Yellow Pear	.05	.15	.30
Strawberry or Husk	.05	.15	.30

TOMATO PLANTS (Ready in April.)

See page 39 for varieties.)

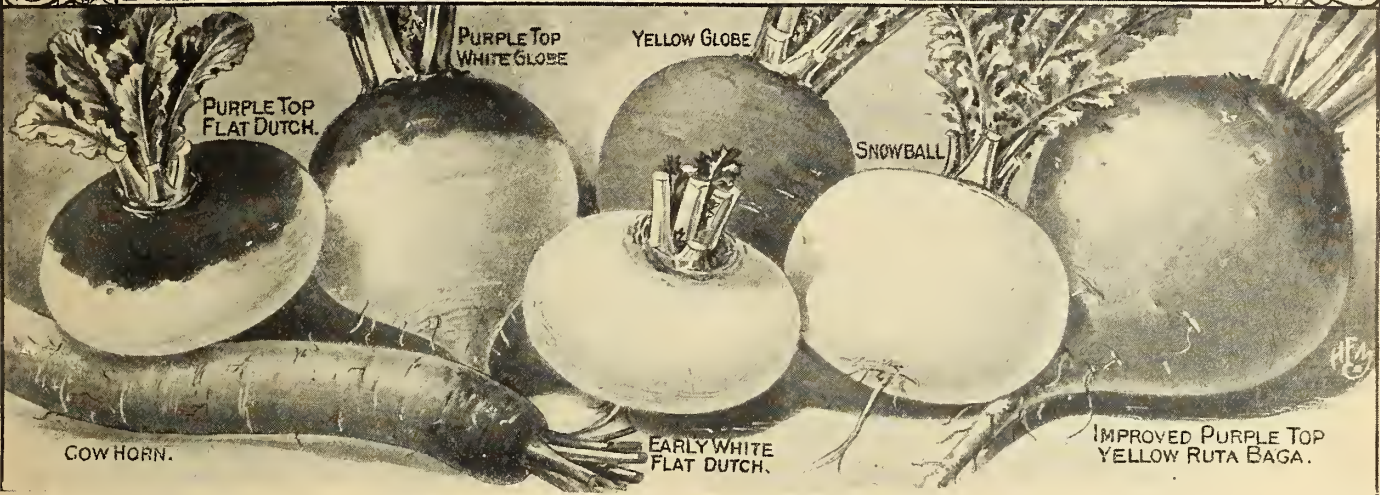


YELLOW PEAR OR PLUM.

RED PEACH

STRAWBERRY OR HUSK RED CHERRY

SMALL FRUITED TOMATOES.



Herbst Ruben (Ger.); Navet (Fr.); Navone, Rapa (Ital.).  
 One ounce of seed for 100 feet drill; two lbs. per acre, broadcast.

For early use sow the small sorts as soon as the ground can be worked in the spring in drills fourteen inches apart. Ruta Bagas thirty inches. As the seed is fine it should be covered but slightly, except in very dry weather. Do not sow too thickly, so the roots can develop. For fall and winter use sow broadcast from the middle of July to the middle of August, and Ruta Bagas in drills from the middle of June to the fifteenth of July. NOTE.—All seeds on this page mailed postpaid to purchaser.

**TURNIP**

- Aberdeen.** A flat yellow variety, a good winter keeper. Pkt., 5c. and 10c.; 20c. per oz.; per 1/4 lb., 60c.; per lb., \$2.25.
- Cow Horn.** A long white variety used for soiling and stock feeding. Pkt., 5c. and 10c.; 20c. per oz.; per 1/4 lb., 60c.; \$2.25 per lb.
- Early White Flat Dutch.** A good variety for early spring sowing, matures quickly. Pkt., 5c. and 10c.; 20c. per oz.; per 1/4 lb., 60c.; per lb., \$2.25.
- Early Purple Top Flat.** The most popular variety in cultivation, a large yielder, well flavored. Pkt., 5c. and 10c.; 20c. per oz.; per 1/4 lb., 60c.; \$2.25 per lb.
- Purple Top White Globe.** A large perfect shaped sort, the skin is purple at top and white at bottom, very sweet. Pkt., 5c. and 10c.; 15c. per 1/2 oz.; per oz., 25c.; per 1/4 lb., 65c.; per lb., \$2.25.
- Purple Top White Globe.** (Private stock.) This is a careful selection of the above variety, especially adapted for private gardens. Pkt., 10c.; 15c. per 1/2 oz.; per oz., 30c.; per 1/4 lb., 75c.; per lb., \$2.50.
- Snowball.** A pure white globe variety, very early. Pkt., 5c. and 10c.; 20c. per oz.; per 1/4 lb., 60c.; \$2.25 per lb.

**Yellow Globe or Amber.** Shaped like the Purple Top Globe, but the color is like that of a Yellow Ruta Baga. Pkt., 5c. and 10c.; per oz., 20c.; 60c. per 1/4 lb.; per lb., \$2.25.

**RUTA BAGA**

Ruta Bagas should be sown in drills about 30 inches apart, and when three inches high thinned out to get the greatest root development. They need to be cultivated liberally and hilled up when about 6 inches high.

Customers frequently complain that Ruta Bagas grow too long in shape, rather than in a round form. Careful inquiry has developed the fact that this is caused by sowing the seed too early.

In the locality of Philadelphia and New York the seed should not be sown until August 1st, when it will invariably develop perfectly globular formed roots. Seed sown earlier than this invariably produces the long shaped roots with long stems.

**Private Stock Purple Top Yellow.** This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. It brings a high price when sold in the market on account of its shape. Pkt., 10c.; 15c. per 1/2 oz.; 25c. per oz.; 1/4 lb., 75c.; \$2.75 per lb.

**Improved Purple Top Yellow.** This variety is the same color as the above, except the shape is more oblong. It is very desirable for stock feeding. Pkt., 5c. and 10c.; 20c. per oz.; per 1/4 lb., 65c.; \$2.50 per lb.

**SEEDS OF CULINARY AND MEDICINAL HERBS**

A few herbs in the garden will be found very convenient, there being so many uses to which they can be put in the green and also dry form. For winter use they should be cut just as they come into flower, tied in bunches and hung in a light, airy place indoors, where they can be available for use any time.

	Pkt.	1/2 Oz.	Oz.	Pkt.	1/2 Oz.	Oz.	Pkt.	1/2 Oz.	Oz.		
Anise	.05	.10	.15	*Dill	.05	.10	.15	Savory Summer	.05	.15	.25
*Balm	.05	.15	.25	*Fennel (Sweet)	.05	.10	.20	*Savory Winter	.10	.25	.40
Basil (Sweet)	.05	.10	.20	*Horehound	.05	.15	.30	Sweet Marjoram	.05	.15	.25
Borage	.05	.10	.20	*Lavender	.05	.10	.20	Sweet Marjoram	.10	.20	.35
Caraway	.05	.10	.15	*Hop (Vine)	.10	.20	.35	American	.10	.20	.35
*Catnip	.10	.20	.35	*Mint Peppermint	.25			*Thyme, Broad Leaved	.10	.25	.40
Chamomile	.10	.20	.35	*Pennyroyal	.10	.50	1.00	*Wormwood	.10	.15	.30
*Chives	.10	.15	.25	*Rosemary	.05	.25	.50				
Coriander	.05	.10	.15	Saffron	.05	.10	.20				
				*Sage	.05	.15	.25				

Varieties\* are hardy or perennial, while others must be planted each season.



All prices subject to change without notice

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# 38 MICHELL'S VEGETABLE AND HERB PLANTS AND ROOTS

**SPECIAL NOTICE** On account of the increased cost of everything, and with the desire to maintain prices as low as possible on Vegetable Plants for 1918, we have adopted the following rule:

**HOT BED VEGETABLE PLANTS (When shipped)**  
 Add 5c. per doz. to the prices quoted below and on Page 39 for Hot-Bed Grown Plants.  
 Add 25c. per 100 to the prices quoted below and on Page 39 for Hot-Bed Grown Plants.  
 Add 10c. per doz. to the prices quoted below and on Page 39 for Pot-Grown Plants.  
 Add 50c. per 100 to the prices quoted below and on Page 39 for Pot-Grown Plants.



Green Globe Artichoke

## ARTICHOKEs

(Ready in April)  
**Green Globe** (see cut), Pot grown. \$1.50 per doz.; 25 for \$2.50; \$10.00 per 100 (by express only).  
**Jerusalem.** Sometimes called the American Artichoke, used for table and stock feeding. 25c. qt.; peck, \$1.25; \$4.00 per bu.

## ASPARAGUS ROOTS

(Ready from October 15th to May 15th)

The handling of this crop is carefully described in our leaflet on Asparagus Culture, which is mailed free or included

with orders, if asked for. The two-year-old roots usually produce two years after planting, the three-year-old may be cut lightly one year after planting.

	2-Year-Old Roots				3-Year-Old Roots			
	Doz.	100	500	1000	Doz.	100	500	1000
<b>Giant</b>								
Argentueil	\$.025	\$1.25	\$4.00	\$7.50	\$0.35	\$1.75	\$8.00	\$15.00
<b>Barr's</b>								
Mammoth	.25	1.25	4.00	7.50	.35	1.75	7.00	13.50
<b>Conover's</b>								
Colossal	.25	1.25	4.00	7.50	.35	1.75	7.00	13.50
<b>Palmetto or</b>								
Eclipse	.25	1.25	4.00	7.50	.35	1.75	7.00	13.50

## BRUSSELS SPROUTS (Ready in July)

**Matchless Improved Hot-Bed Grown.** 25 for 20c.; 60c. per 100; per 1000, \$5.00. If wanted by mail, add 10c. per 100 for postage

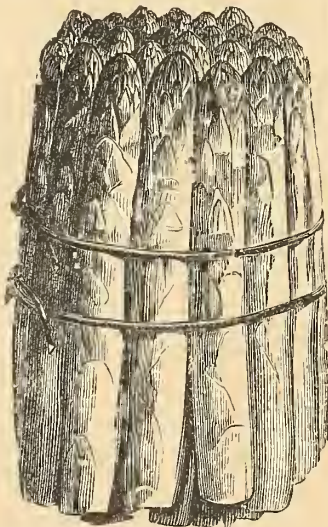
## CABBAGE PLANTS

(Ready in season according to variety beginning April 1st)

**Early Sorts.** From hot beds. Wakefield and All Head only. Ready April 15th. 50c. per 100; per 1000, \$4.00.

**Early Sorts.** Sturdy plants from cold frames. Ready April 1st, in Wakefield and All Head varieties only. 75c. per 100; per 1000, \$6.00.

**Late Sorts.** Ready July 1st in Late Flat Dutch and Danish Ball Head varieties and Red Dutch Drumhead varieties only. Per 100, 50c.; \$3.50 per 1000. If cabbage plants are wanted by mail, add 15c. per 100 for postage.



Asparagus

## CAULIFLOWER PLANTS (Ready about April 1st)

	Doz.	100
<b>Snowball variety only.</b> Plants from hot beds.....	\$.025	\$1.50
<b>Snowball variety only.</b> Pot-grown plants.....	.65	5.00

If hot bed Cauliflower are wanted by mail, add 5c. per doz., or 15c. per 100 for postage charges.

## CELERY PLANTS (Ready in July)

Extra selected well grown, sturdy stock grown at our own plant establishment in the following varieties: **White Plume, Giant Pascal** and **Winter Queen.** 60c. per 100; 500 for \$2.75; \$5.00 per 1000.

**Golden Self-Blanching.** Grown from French seed. 75c. per 100; \$3.00 per 500; per 1000, \$5.50.

If Celery Plants are wanted by mail, allow 4 lbs. weight per 100 for postage.

## CHAMOMILE

Extra strong pot-plants, 15c. each; doz., \$1.25; \$10.00 per 100.

## CHICORY (Witloof)

Strong roots can be supplied until about March 1st. 10c. each; doz., \$1.00; \$7.00 per 100.

## CHIVES (Ready in April)

Hardy and will last for years. **Strong Plants,** 15c. each; doz., \$1.50; \$10.00 per 100. Allow 5c. each for mailing if wanted by parcel post.

## EGG PLANTS

(Ready after May 15)

These are sold in pot-grown stock only.

**New York Improved and Black Beauty,** 6c. each; 65c. doz.; \$5.00 per 100.

## HOP VINE (Hardy)

Besides being used in culinary and medicinal ways, this makes a valuable shade plant, placed on arbors, trellis, etc.

**Strong Pot-Grown Plants,** 15c. each; doz., \$1.25; 100, \$7.00.

## HORSE RADISH ROOTS (Ready in March)

**Maliner Kren (Bohemian).** Large, strong cuttings, 25c. per doz.; per 100, \$1.00; \$7.50 per 1000.

**Regular variety.** Doz., 15c.; 75c. per 100; per 1000, \$6.00. If Horse Radish are wanted by mail, add 10c. per 100 for postage.

## LAVENDER (Ready in April)

Used for its flowers, which when dried, are strewn among clothing to keep away moths. Pot-grown plants, 20c. each; per doz., \$2.00; \$12.00 per 100. If wanted by mail, add 5c. per 100 for postage.

## LETTUCE PLANTS

We can supply these at all seasons in Heading Varieties; our selection only, 25 for 15c.; 50c. per 100; \$4.00 per 1000. If wanted by mail, add 10c. per 100 for postage.

## MINT (Hardy) (Ready in April)

The plants are hardy and when once established remain for years. Pot-grown plants.

**Spearmint,** 15c. each; per doz., \$1.50; \$8.00 per 100.

**Peppermint,** 15c. each; per doz., \$1.50; \$8.00 per 100.

## PARSLEY PLANTS

(Ready in April)

Double curled, pot-grown, ready for use, 6c. each; per doz., 60c.; per 100, \$4.75.

## PENNYROYAL

(Ready in April)

A medicinal herb, used for various purposes.

**Pot-Grown Plants,** 15c. each; \$1.50 doz.; per 100, \$10.00.

## PEPPER PLANTS

(Ready in May)

**Bull Nose and Long Red Cayenne** varieties only.

**Pot-Grown Plants,** 60c. per doz.; per 100, \$4.75.

**Hot-bed Grown,** 25c. per doz.; per 100, \$1.50.

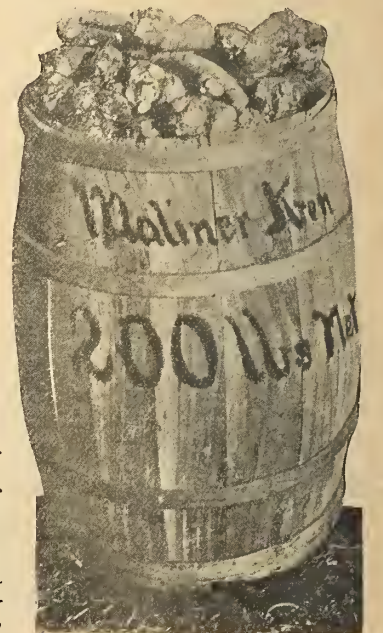
## ROSEMARY

(Perennial) Ready in April

Used extensively for various medicinal purposes. Pot-grown plants, 20c. each; doz., \$2.00; \$12.00 per 100.



A Clump of Chives



**POT-GROWN VEGETABLE PLANTS do not carry well by parcel post. We recommend express shipment**

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# MICHELL'S VEGETABLE and HERB PLANTS and ROOTS <sup>39</sup>



## RHUBARB ROOTS (Ready from October to May 15th)

**Victoria First Size Roots.** 15c. each; \$1.25 per doz.; per 100, \$7.00. Allow 5c. each or 25c. doz. for postage, if wanted by mail.

**Victoria Extra Large Clumps for Planting out or Suitable for Forcing.** 25c. each (not mailable); \$2.50 per doz.; 25 for \$4.25; \$15.00 per 100.

## SAGE (Hardy) (Ready in April)

**Holt's Mammoth.** Large leaved variety, used in gravies, stews and also for medicinal purposes. Pot-grown plants. 15c. each; per doz., \$1.50; \$8.00 per 100.

## SAVORY (Ready in April)

A popular herb, used in flavoring, etc. Pot-grown plants. **Summer Variety (Annual).** 15c. each; doz., \$1.50; 100, \$8.00. **Winter Savory (Hardy).** 25c. each; doz., \$2.50; 100, \$15.00.

## SWEET MARJORAM (Annual) (Ready in April)

**American Strain.** This variety is a much larger type and an improvement on the imported. Pot-grown plants. 15c. each; per doz., \$1.20; \$7.00 per 100.

## SWEET POTATO PLANTS (Ready in May)

**Yellow and Red Nansemond.** 60c. per 100; 1000, \$5.00 (5000 lots, \$17.50). If wanted by mail, allow 15c. per 100 for postage.

## TANSY (Hardy)

For medicinal purposes this herb is of great value. 15c. each; doz., \$1.50; \$8.00 per 100.

## TARRAGON (Hardy) (Ready in April)

These are hardy if given plenty of protection in winter. Do not plant them in an exposed place. Extra large pot-grown plants. 25c. each; doz., \$2.50; \$17.50 per 100.

## THYME (Hardy) (Ready in April)

**English Broad Leaved.** This is almost an indispensable herb; once planted it remains permanent for years. Pot-grown plants. 15c. each; doz., \$1.50; \$8.00 per 100.

### TESTIMONIAL

*Rancocas, N. J.*  
Sweet Potato Plants arrived in fine condition and I want to thank you also for the kind attention. MRS. G. E. NYE.

## CHICORY OR WITLOOF

This delicious vegetable is becoming more popular each year. The roots are easily produced from seed, sown in May or June. They are taken up and wintered over, heeled in soil, or otherwise cared for in a frost-proof cellar, as one would care for Turnips, Carrots or similar crops. It is used only as a winter vegetable, the top part only being edible. While best results are obtained from planting the roots under a bench in the greenhouse, nevertheless a light, dry, warm portion of a cellar will serve the same purpose. In either case a bed of rich garden soil, about 12 inches deep, and in a size to accommodate whatever number of plants it is desired to force at one time. They should be placed about 6 inches apart each way. The top growth remains intact, as the illustration shows and may be cut any time after they have about 5 inches growth, before the heads begin to expand. Roots should be set in the soil the same depth as they were originally in the garden. A continuous supply of this delicious winter vegetable can be had from December 1st to April 1st. A cold frame makes also an ideal place for forcing them in the late winter or early spring months. Care should be taken, when grown indoors, to water occasionally, as conditions may demand. As one crop is used up, another should be planted, to secure a continuous supply. It is better, of course, if two beds are at one's disposal.

**Strong roots,** in stock usually until March 1st. 10c. each; doz., \$1.00; \$7.00 per 100. If wanted by mail, add 10c. per doz. and 25c. per 100 for postage.



Witloof Chicory



## TOMATO PLANTS (Ready after April 15th)

**Pot-grown plants** in the following varieties only: Earliana, Stone, Dwarf Stone, Ponderosa. 6c. each; doz., 60c.; \$4.50 per 100.

**Michell's Cracker Jack.** Extra early. 8c. each; doz., 75c.; \$5.00 per 100.

**Hot bed plants** in the following varieties only: Stone, Earliana, Ponderosa and Dwarf Champion. 25c. per doz.; per 100, \$1.25; \$8.00 per 1000. If wanted by mail, allow 5c. per doz. for mailing Hot Bed Grown Tomatoes; Pot-grown tomatoes cannot be mailed satisfactorily.



## MICHELL'S RELIABLE GRASS SEEDS

Possibly no one in the United States specializes more in grass seeds for lawns, pleasure grounds, golf courses, putting greens, pasture and hay fields than we. Our purchases in this commodity direct from the growers at home and Europe amount to many thousand pounds annually. Our grass seeds are rigidly tested for purity and germination at the growing point, in the laboratories of the United States Department of Agriculture and by ourselves, and will be found of highest average. We make special formulas to suit various soils, climatic and local conditions. Our grass mixtures as sold have been based on many tests and on years of careful study, they are properly blended and will give splendid satisfaction.

### MICHELL'S "TOP NOTCH" LAWN GRASS SEED MIXTURE

This mixture can justly be called the top notch of quality, and the results obtained from sowing it are so satisfactory that the price, which is slightly higher than our other formulas, is soon forgotten. It is a perfectly blended combination of quick growing, very compact, fine bladed grasses that will produce a perfect lasting turf in a few weeks, absolutely not a coarse bladed grass in it. A customer only recently told us of a visit to his estate by an expert from the United States Department of Agriculture who made the statement that his lawn, which was produced from Michell's Top Notch Grass Seed Mixture, was the most perfect he had ever seen. Not a sign of a weed and of wonderful uniformity and a beautiful deep green color.

At any price it would hardly be possible to get together a more perfect blend of thoroughly reseeded grasses than this mixture. From experiments made it seems to do unusually well under most every condition of soil, weather and climate, retaining at all times its brilliant color, and as we had frequently been asked on orders to send a lawn mixture of quality "par excellence" regardless of price, we finally decided that there was room for still greater improvement in lawns than our already high-grade mixtures of grasses would produce.

Top Notch weighs 25 lbs. per bushel and we are safe in saying that it can hardly be produced elsewhere at the price we quote it. Our grass seed sales amounting to more than half million (500,000) lbs. per year, we are able to get the choice of the Grass Seed Market.

We recommend sowing this mixture at the rate of about  $3\frac{1}{2}$  to 4 bush. per acre to establish new lawns. It is not put up or sold in quantities of less than a peck. Price, \$2.00 per peck ( $6\frac{1}{4}$  lbs.); per  $\frac{1}{2}$  bush., \$3.75; \$7.50 per bush. (of 25 lbs.); 2 bush., \$14.50; \$35.00 per 5 bush.; 100 lb. lots and over, 28c. lb.

### TESTIMONIAL EXTRAORDINARY ON MICHELL'S GRASS SEEDS

Ardrossan Farms, Ithan, Pa.

I want to say something in regard to the grass seed which you supplied me with last autumn and the past spring. It has certainly been more than ordinarily satisfactory. Before using the seed I purchased, I had an expert examination made of the same for fertility and purity in comparison with samples from other houses, who furnish me samples of what they would supply. The examinations proved your seed to be superior in fertility and quality. As you are aware, I sowed a large acre-

age (some 60 acres) last autumn. Despite the unprecedented drought we had in the fall of 1914, I had an excellent harvest this year. A portion which did not pass through the winter so well owing to the drought and which I reseeded this spring will make a sod of the highest class, and while the ample rains we had this spring have helped considerably I am fully appreciative that the quality of the seed had much to do with the results obtained.

Yours truly,

R. L. MONTGOMERY.

If Grass Seed is wanted by parcel post, allow for mailing when remitting



View of Hotel Cape May, Cape May, N. J., showing lawn seeded with Michell's Seashore Lawn Grass Seed, offered below. This lawn is within one hundred feet of the Atlantic Ocean, and is one of the many remarkable pieces of turf that have been produced with our lawn grass seed.

### MICHELL'S SEASHORE LAWN GRASS SEED

The problem of establishing a good lawn at the Seashore frequently causes concern. If 3 or 4 inches of top soil is spread over the surface, and well firmed, an application of Michell's Special Formula Seashore Lawn Mixture will produce a good lawn in 6 to 8 weeks. An occasional application of pure Sheep Manure during the spring, summer and fall months will increase the strength and color of the grass. Our Formula has been thoroughly tested out in various localities, especially at the Atlantic seaboard resorts, and has given splendid satisfaction. If the soil is exceptionally poor, and it is not possible to apply a layer of topsoil, white Clover will help to make the sod thick and also protect the grass. Sow 4 bushels per acre, in making new lawns, or 2½ bushels per acre, in renovating old lawns. Per qt., 25c., *P. P. Weight*, 1 lb.; 45c. for 2 qts., *P. P. Weight*, 2 lbs.; 4 qts., 85c., *P. P. Weight*, 3 lbs.; \$1.25 per peck; per bushel, of 20 lbs., \$5.00.; \$24.00 per 5 bushels; 100 lbs. and over, 24c. per lb.

### MICHELL'S GREEN VELVET LAWN GRASS SEED

This mixture has stood the test of every clime and region in the United States. It is the result of many years of untiring study, labor and experimenting, coupled with the endeavor to give the man with a lawn a grass seed mixture which will produce a perfect turf. It is composed of close growing, fine leaved hardy grasses which will stand wear and tear, and outlive the severest winter, retaining at all times its lustrous green color.

**Michell's Green Velvet Grass Seed** weighs 20 lbs. per bushel. This fact alone is proof of its purity.

**Quantity to sow.** You cannot sow too much, the more the better, it means a quicker, more satisfactory and lasting result. We recommend, on new ground, to sow as follows:

1 qt. on 100 sq. feet (10 x 10); 4 qts. on 600 sq. feet (20 x 30); 1 peck on 1,500 sq. feet (30 x 50); 1 bushel on 7,000 sq. feet (70 x 100); 5 to 6 bushels per acre for best effects.

**Prices:** 1 pt., 20c. (*P. P. Wt.*, ½ lb.); 1 qt., 30c. (*P. P. Wt.*, 1 lb.); 4 qts., 85c. (*P. P. Wt.*, 3 lbs.); 1 peck \$1.25 (*P. P. Wt.*, 5 lbs.); 1 bu. (20 lbs.) \$5.00; 5 bu., \$24.00; 100-lb. lots and over, 24c. lb.

### SOME PROMINENT PLACES WHERE MICHELL'S GRASS SEEDS HAVE BEEN SOWN

The remarkably *Fine Lawns* seen at the Philadelphia National Export Exposition; the Pan-American Exposition, Buffalo; The Jamestown Exposition, Va.; The Lewis-Clarke Exposition, Portland, Ore, were seeded with **Michell's Green Velvet Grass Seed**. For years it has been extensively sown in the Public Parks and Squares of Philadelphia (including Fairmount Park), the Parks of Wilkes-Barre, Reading, Harrisburg, Penna., on the Executive Mansion Grounds, Washington, D. C., and on thousands of Country Estates.

**WHITE CLOVER** Choicest re-cleaned for sowing on lawns, pastures, etc. Sow 10 to 12 lbs. per acre (60 lbs. per bu.). 10c. oz.; ¼ lb., 20c.; 60c. lb.; 5 lbs., \$2.80; \$5.50 for 10 lbs.; bu. (60 lbs.), \$30.00; \$50.00 per 100 lbs.

### TESTIMONIAL ON MICHELL'S LAWN GRASS

"Rosemont Farms," Berryville, Va.  
 "I used 5 bushels of your **Velvet Lawn Grass** this spring in making a new piece of lawn, and wish to say, that same **came up fine**, it looks like a piece of velvet. Can certainly recommend your lawn grass to anyone making a lawn." JOHN M. MEEHAN, Supt.



### MICHELL'S SHADED LAWN GRASS SEED

Shaded locations produced by overhanging large trees, shrubbery, buildings, etc., have often been found difficult to keep in grass. We have made a special study of such conditions, and after extensive experimenting have combined a mixture of grasses that will produce a perfect sward in the most densely shaded place. It must be borne in mind that too much shade creates sour soil, and to guard against this, apply air-slaked lime (or land plaster where the former is not available) at a rate of 1 bushel to each 1000 square feet. Lime should be applied about every three years only, while land plaster may be applied periodically during the summer. Frequent fertilizer applications, such as bone meal or sheep manure, are a great help in establishing a thick, healthy growth of grass in shaded places. Sow seed at the same rate as recommended for Green Velvet Grass on page 41. This mixture weighs 20 lbs. per bushel and will prove to be a remarkable success. 1 pt., 15c., P. P. Weight, ½ lb.; 1 qt., 30c., P. P. Weight, 1 lb.; 2 qts., 45c., P. P. Weight, 2 lbs.; 4 qts., 85c., P. P. Weight, 3 lbs.; peck (5 lbs.), \$1.50; bush., (20 lbs.), \$6.00; 5 bush., \$28.50; 100 lb. lots and over, 28½c. lb.

### MICHELL'S WOODLANDS GRASS MIXTURE

At the instance of various customers on several occasions, it had been suggested that we list a grass formula for sowing in woodlands. After several tests, carefully followed up, we have arrived at a mixture of hardy grasses that have given splendid satisfaction. It is especially adapted for thickly wooded locations (Norway Maples and Pine Trees excepted). In 6 to 8 weeks in normal weather conditions it will produce growth ready for the lawn mower. Persons desiring a grass mixture that will do well in conditions such as we have described will get splendid satisfaction from Michell's Woodlands Formula. On new ground sow at the rate of 4 bushels per acre; for renovating old land, 2½ bushels per acre. 25c. per qt.; 2 qts., 45c.; 75c. for 4 qts. \$1.00 per peck (5 lbs.); per bushel of 20 lbs., \$4.00; \$19.50 for 5 bush.; 100 lbs. and over at 19½c. lb.

### MICHELL'S EVERGREEN LAWN GRASS SEED

Where soil conditions and weather are ideal this mixture will in most cases produce a green sward in three to four weeks. It is composed of the finest native and foreign short growing and fine bladed lawn grasses and will form a turf which can only be approached for quality by a covering of real velvet. The quantity required to sow a given space is the same as that recommended for Michell's Green Velvet on page 41. It weighs 20 lbs. per bushel, and every kernel is full of vitality. Prices: pt., 15c., P. P. Weight, ½ lb.; qt., 25c., P. P. Weight, 1 lb.; 4 qts., 75c., P. P. Weight, 3 lbs.; peck (5 lbs.), \$1.00; bush. (20 lbs.), \$4.00; 5 bush., \$19.50; 100-lb. lots and over, 19½c. lb.

### MICHELL'S CLOVER LAWN GRASS

The increasing demand for a grass seed mixture, containing a larger proportion of White Lawn Clover induced us to offer this brand. After extensive trials we have produced a mixture of grasses, mixed with a most liberal quantity of the best re-cleaned White Clover, which is peculiarly suited to take firm hold and grow quickly on hard, worn-out or burned spots. The best time to re-sow such places is very early in the spring, but seed may also be sown with good results in the fall. Michell's Clover Lawn Grass should also be sown before every summer rain on thin places; splendid for seashore lawns. Pint, 30c.; 50c. per qt.; 2 qts., 90c.; \$1.75 for 4 qts.; per peck, \$3.00; \$11.50 per bushel of 30 lbs.

**Fairmount Park Lawn Seed.** A very fine mixture indeed, meeting the requirements of those desiring a moderately priced grass seed. Sow 4 bushels to the acre on new lawns or 2½ bushels in renovating old lawns. Prices: Per qt., 20c. (P. P. Wt., ½ lb.); 35c. for 2 qts. (P. P. Wt., 2 lbs.); 4 qts., 60c. (P. P. Wt., 3 lbs.); 85c. per pk. (3¾ lbs.); per bu. of 15 lbs., \$3.00; \$14.50 for 5 bu. 100-lb. lots and over, 19c. lb.

**Michell's Poultry Yard Grass Seed Formula.** Chickens love grass and should be placed on range, where they can get it as much as possible. Our formula germinates very quickly and makes a sod that grows luxuriantly. We put plenty of clover seed in this mixture, as it is very nutritious and the fowls relish it. 20c. per qt. (P. P. Wt., ¾ lb.); 35c. for 2 qts. (P. P. Wt., 2 lbs.); 60c. for 4 qts. (P. P. Wt., 3 lbs.); 85c. per pk. (3¾ lbs.); bu. (15 lbs.), \$3.00.

**Michell's Terrace or Embankment Grass Seed.** Sow 4 bushels per acre. Per qt., 25c. (P. P. Wt., 1 lb.); 40c. for 2 qts. (P. P. Wt., 2 lbs.); 4 qts., 75c. (P. P. Wt., 3 lbs.); \$1.25 per pk. (5 lbs.); per bush. of 20 lbs., \$5.00; 5 bu., \$24.00; 100-lb. lots and over, 24c. lb.

**Southern States Evergreen Lawn Grass Seed.** Made up especially for dry, hot localities, especially suited to the Southern States. 15 lbs. per bushel. Prices: 20c. per qt. (P. P. Wt., ½ lb.); 2 qts., 35c. (P. P. Wt., 1 lb.); 60c. for 4 qts. (P. P. Wt., 2 lbs.); pk. (3¾ lbs.), \$1.00; \$3.50 per bu.; 5 bu., \$16.25; 100-lb. lots and over, 21c. lb.

**Special Sod Grass Seed.** A quick growing mixture, making a very tough and heavy sod in a short time; especially valuable for cemeteries, tennis courts, pleasure grounds, etc. 15 lbs. per bu. Price: 25c. per qt. (P. P. Wt., ½ lb.); 2 qts., 40c. (P. P. Wt., 1 lb.); 75c. for 4 qts. (P. P. Wt., 2 lbs.); pk. (3¾ lbs.), \$1.00; \$4.00 per bu.; 5 bu., \$18.75; 100-lb. lots and over, 25c. lb.

**NOTE.—All Grass Mixtures except Putting Greens, "Fair Greens" and Tennis Court Mixtures contain white clover. Any of them, however, can be furnished without this.**



A Putting Greens on the course of the Sunnybrook Golf Club, Chestnut Hill, Philadelphia, seeded with Michell's Grass Seeds

## MICHELL'S FAIR GREENS (Golf Course) MIXTURE

It is no easy matter to work out a formula of grass seed that will withstand the unusual test it is put on the average fairways soil. In many instances this is poor, worn out, shallow and of a varied character. Michell's Fairway Grass Seed Mixture is composed to meet the greatest variety of conditions and will invariably give permanent results quickly.

The mixture is composed of short-growing, deep-rooted varieties that resist plenty of wear. It retains its color well during the severest droughts. Fairways to retain their permanency should receive additional sowings during the season to replace any weak or wornout spots. Sow 6 bushels per acre.

Prices: Qt., 25c. (1 lb. P. P. Wt.); 2 qts., 45c. (2 lbs. P. P. Wt.); 4 qts., 75c. (P. P. Wt., 3 lbs.); 1 peck, \$1.25 (P. P. Wt., 5 lbs.); 1 bu. (20 lbs.); \$5.00; 5 bu., \$23.75; 100-lb. lots and over, 23¾c. per lb.

## MICHELL'S TENNIS COURT GRASS SEED MIXTURE

Grass courts are again becoming very popular. Qt., 25c.; 45c. for 2 qts.; 4 qts., 75c.; \$1.25 per peck; bu. (20 lbs.), \$4.50; \$21.25 for 5 bu.; 100-lb. lots and over, 21¼c. lb.

## MICHELL'S PUTTING GREENS MIXTURE

While many greens keepers prefer to make their own mixtures for this purpose, there are some who rely on the ability and experience of the seedsmen. Our formula for this has been reached after many extensive tests, and those who desire to sow it will not be disappointed in the results they get from it. It is a quick-growing mixture of short, fine-bladed grasses, over which the ball can roll without resistance. In sowing Putting Greens it is wise economy to be very liberal with the seed, as these places are subjected to continuous hard use. We do not recommend less than 50 to 75 lbs. to a green 75 foot square.

Prices: 1 qt., 30c. (P. P. Wt., 1 lb.); 4 qts., \$1.00 (P. P. Wt., 4 lbs.); 1 peck, \$2.25 (P. P. Wt., 6¼ lbs.); 1 bu. (25 lbs.), \$9.00; 5 bu., \$43.75; 100-lb. lots and over, 35c. per lb.

## MICHELL'S TEEING GROUNDS GRASS MIXTURE

Used on golf course tees or in other places where a tough resisting turf is wanted. 25c. qt.; 4 qts., 65c.; \$1.00 per peck; 1 bu. (20 lbs.), \$4.00.

# 44 MICHELL'S RELIABLE GRASS SEEDS

## MICHELL'S PERMANENT PASTURE GRASS SEED MIXTURE

The old method of sowing timothy and clover has been found not only costly, but too short lived to answer the purpose.

Michell's Permanent Pasture Grass Seed is composed of about 10 of the best growing and most nutritious grasses and clovers for stock feeding or grazing. One sowing will last many years. Sow 3 to 4 bushels per acre on new lands (15 lbs. per bushel). Prices: Per qt., 20c. (P. P. Wt.  $\frac{1}{2}$  lb.); 4 qts., 60c. (P. P. Wt. 2 lbs.); pk., \$1.00 (5 lbs.); bu. (20 lbs.), \$3.50; 100-lb. lots,  $16\frac{1}{2}$ c. lb.; 200-lb. lots and over, 16c. lb.



Michell's Permanent Pasture Grass Seed Mixture makes a nutritious feed for grazing cattle, and will grow quickly and luxuriantly.

## MICHELL'S PERMANENT HAY FIELD GRASS SEED MIXTURE

While timothy is still extensively sown for this purpose, this mixture is gradually being adopted by the progressive farmer. Its main advantages are that certain grasses in the mixture will grow better in varying conditions of soil, thus giving a full crop of hay on land that otherwise might produce but a half crop of timothy and clover. Our formula is the outcome of thorough trials in every kind of soil. Sow 3 to 4 bushels per acre on new lands, or 2 bushels on established fields (15 lbs. per bushel). Prices: Per qt., 20c. (P. P. Wt.  $\frac{1}{2}$  lb.); 4 qts., 60c. (P. P. Wt. 2 lbs.); peck (5 lbs.), \$1.00; bu. (20 lbs.), \$3.50; 100-lb. lots,  $16\frac{1}{2}$ c. lb.; 200-lb. lots and over, 16c. lb. Note.—Hay Field Grass Seed Mixture, formerly offered 15 lbs. to the bushel, is now sold on a weight basis of 20 lbs. per bushel.



### MICHELL'S HAY FIELD GRASS SEEDS

Per Qt. 20c  
 Per 4 Qts. 60c  
 Per Peck \$1.00  
 Per Bushel \$3.50  
 100-Lb. Lots  
 16½c Lb.

All prices subject to change without notice

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**Bermuda Grass.** For sowing as far North as Washington, D. C., above which latitude it is not hardy. 60c. per lb.; 5 lbs., \$2.50.

**Blue Grass, Fancy Kentucky** (*Poa Pratensis*). Our stock of this is extra fine, thoroughly recleaned; sow 3 to 5 bu. per acre on lawns, 2½ to 3 bu. on pasture fields (bu. 14 lbs.). Per lb., 35c.; peck, \$1.00; per bu., \$4.00; \$27.00 per 100 lbs.

**Blue Grass Canadian** (*Poa Compressa*). Makes an ideal pasture highly relished by cattle; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (bu. 14 lbs.). 25c. lb.; bu., \$2.50; \$15.00 100 lbs.

**Creeping Bent** (*Agrostis Stolonifera*). Adapted admirably for lawns, also putting greens, tennis courts, etc.; sow 4 bu. per acre (20 lbs. per bu.). Price on application.

**Crested Dogstail** (*Cynosurus Cristatus*). Excellent as a pasture and lawn grass. Sow 3½ to 4 bu. per acre (21 lbs. per bu.). Price, 50c. per lb.; bu., \$9.00; \$40.00 per 100 lbs.

**English, or Perennial Rye Grass** (*Lolium Perenne*). (Pacey's Fancy Short Seeded.) This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 3 bu. per acre (24 lbs. per bu.). Price, 20c. per lb.; per bu., \$3.25; \$13.00 per 100 lbs.

**Fine Leaved, or Slender Fescue** (*Festuca Tenuifolia*). This grass is especially valuable for dry soils. Sow 3 bu. per acre (bu. 14 lbs.). Price on application.

**Hard Fescue** (*Festuca Duriuscula*). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bu. per acre (12 lbs., per bu.). Price on application.

**Herd, or Red Top Fancy Recleaned.** This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 25 lbs. per acre (32 lbs. per bu.). Price, 30c. per lb.; per bu., \$7.75; \$22.00 per 100 lbs.

**Herd, or Red Top Unhulled** (*Agrostis Vulgaris*). Sow 4 to 5 bu. per acre on lawns or 3 bu. on pasture lands (10 lbs. per bu.). Price, 18c. per lb.; per bu., \$1.50; \$12.00 per 100 lbs.

**Italian Rye** (*Lolium Italicum*). Very desirable for pasture; being an annual, it comes to maturity the first season. Sow 50 lbs. per acre (18 lbs. per bu.). Price, 20c. per lb.; bu., \$3.00; \$13.00 per 100 lbs.

**PRICES SUBJECT TO MARKET CHANGES**  
 Note.—If Grasses are wanted by parcel post, allow for postage when remitting.

**Meadow Fescue** (*Festuca Pratensis*). Sow 40 to 50 lbs. per acre (22 lbs. per bu.). Price, 25c. per lb.; bu., \$4.00; \$16.50 per 100 lbs.

**Orchard Grass** (*Dactylis Glomerata*). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 lbs. per acre (12 lbs. per bu.). Price, 30c. per lb.; per bu., \$3.25; \$22.00 per 100 lbs.

**Red, or Creeping Fescue** (*Festuca Rubra*). Very valuable for sowing on sandy soil and in shaded places. (14 lbs. per bu.). Price, 60c. lb.; bu., \$7.50; \$50.00 per 100 lbs.

**Rhode Island Bent.** For sowing at seashore resorts, on putting greens, tennis courts, etc.; 40 lbs. per acre (14 lbs. per bu.). Price on application.

**Sheep's Fescue** (*Festuca Ovina*). This makes an excellent grass for sowing on lawns, fields, or pleasure grounds. Sow 40 lbs. per acre (12 lbs. per bu.). Price on application.

**Sweet Vernal** (Annual). 5 lbs. per acre. Price on application.

**Sweet Vernal** (Perennial). Price on application.

**Sudan Grass Seed** (Annual). This belongs to the forage crops and is allied to the millets. Sow 16 to 24 lbs. per acre. Price on application.

**Tall Meadow** (*Avena Elatior*). A valuable lawn and pasture grass. Extremely valuable for use in the South. Sow 5 bushels per acre (10 lbs. per bu.). 35c. lb.; bu., \$3.00; \$25.00 per 100 lbs.

**Timothy** (*Phleum Pratense*). Sow one-half bu. per acre alone (45 lbs. per bu.). 20c. per lb. Price varies constantly; ask for quotations.

**Wood Meadow** (*Poa Nemoralis*). The best grass for sowing under trees where a lawn is desired. Sow 30 lbs. per acre (14 lbs. per bu.). Price on application.

## PREPARED ALPHANO HUMUS "THE IDEAL SOIL ENRICHER"

It is prepared from a rich deposit of decayed vegetable and animal matter. In its course of preparation for use as a soil builder and enricher, it is composted for a long period, and supplied with all the legume and other beneficial soil bacteria. 80 per cent. of the moisture is driven out, and a liberal quantity of rich, concentrated plant foods and bacterial nutriment of highest fertilizing value are added. It comes to you, finely pulverized, odorless, and entirely free from weed seeds.

It is rich in ammonia, phosphoric acid, potash and lime, and is lively with the various bacteria so essential to soil fertility.

For lawns it is applied as a top dressing from ½ to 1 inch in depth, which should be then worked in.

If grass seed is to be sown, then is the time to apply it. On golf links it is used in a similar way.

For Flower and Vegetable garden, apply at rate of ½ to 2 inches deep, and fork it well in the soil, or apply it in trenches, the same as you would well-rotted manure. For pot plants, mix about 1-3 of the Alphano with 2-3 of regular potting soil.

A ton of Prepared Alphano Humus is equal to nearly 2 cubic yards. For top dressing lawns an application of 100 lbs. every 800 sq. feet will be effective. For distribution in large quantities, say ½ inch thick, 30 tons is required per acre; if 1 inch thick application is desired, 60 tons per acre; if 2 inches thick, 120 tons per acre.

We caution you to beware of the many so-called "Humus" fertilizers recently put on the market; offered under various names, at prices closely approximating the cost of the original "Prepared Alphano Humus," but which are simply swamp muck, fresh from its watery bed and of no more use than so much sawdust.



A Fairway on the course of Pine Valley Golf Club, Pine Valley, N. J., treated with Alphano Humus

### NATURAL ALPHANO HUMUS

You will get your money's worth in our Natural Humus, which is rich soil Humus, sun dried, disintegrated and composted, but with no additional treatment. While this may answer for some purposes, we wish to impress upon you that Prepared Alphano Humus is worth much more than the difference in price, as it is a complete organic fertilizer and soil builder.

**PRICES ON HUMUS F. O. B. PHILADELPHIA**

Prepared Alphano—						
5 lbs.	25 lbs.	50 lbs.	100 lbs.	500 lbs.	1000 lbs.	Ton
\$0.25	\$0.65	\$1.00	\$1.35	\$6.25	\$11.00	\$19.50
Natural .....			1.10	5.00	8.50	14.00

**PRICES ON HUMUS F. O. B. FACTORY**

	Carload				Carload	
	100 lbs.	500 lbs.	1000 lbs.	Ton	in Bulk	in Bulk
Prepared Alphano..	\$1.10	\$5.00	\$8.50	\$16.00	\$12.00	\$10.00
Natural .....	1.00	3.75	5.00	8.00	7.00	5.00

Note.—Not less than 100 lbs. Natural Humus can be supplied. The smallest car of Humus in bags is 20 tons, in bulk is 30 tons.

All prices subject to change without notice

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46 MICHELL'S RECLEANED CLOVERS (PRICES SUBJECT TO MARKET CHANGE)



Part of a 60-acre tract of land sown to Alfalfa on the farm of W. A. Rossiter, near Langhorne, Pa. Seed furnished by us.

**Alfalfa or Lucerne (*Medicago Sativa*).** The most valuable forage crop on the American farm today, and can be truly termed a mortgage lifter. It is sown during May, August and September, these being the best months for success, although it can be sown at other times with a possible chance of doing well. Careful preparation of the soil previous to sowing is the main thing. Our special Circular on Alfalfa goes into this carefully and is free for the asking. Sow not less than ½ bushel (30 lbs.) per acre preferably with no other crop. Our seed is always over 99 per cent. pure, and will invariably give the best of results. **Choice Non-Irrigated Western Grown Seed.** Price, per lb., 25c.

**Grimm Alfalfa.** Claimed to be handy in any and all regions, a heavy yielder and of deeper rooting ability. Highly recommended by various State Experiment Stations. It requires about 10 lbs. of Grimm Alfalfa to properly seed an acre on account of its great root system and spreading habit. Price, \$1.00 per lb.

**Alsike or Swedish Clover (*Trifolium Hybridum*).** One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. Under ordinary conditions it grows from 1 to 2 feet high, is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. The flower resembles the white clover except that the head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone or 8 lbs. per acre with timothy. Price, 30c. lb.

**Bokhara or Sweet Clover (*Melilotus Alba*).** While extensively used as a bee food, this is a valuable variety for soiling (green manure); for sowing in spring on lands which are later to be sown in Alfalfa, this is an excellent article. It inoculates the ground and seems to render it more capable of insuring a good stand of Alfalfa than if it is not used. It grows from 3 to 5 feet high, according to soil and location; can be cut as often as three times in a season if wanted for forage. Sow 15 lbs. per acre in early spring, alone, or 10 lbs. per acre with other crops. We handle only the true white flowering hardy variety. **Choice Hulled Seed.** Price, 35c. per lb.; 10 lbs., \$3.00.

**Crimson Clover (*Trifolium Incarnatum*).** This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year, although no other crop can be raised on the field that season. Fall or late summer seeding makes it possible to use the field the following season. It is not hardy for more than one season and must be sown each year. Price, 30c. per lb.; larger quantity prices on application.

**Mammoth Red Clover (*Trifolium Pratense Perenne*).** Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. The seed cannot be distinguished from the former. Our supply, however, is strictly reliable. Sow in early spring or in July and August, using 20 lbs. per acre alone or with other crops 10 lbs. per acre; flowers pink. It can be harvested several times in a season. 30c. per lb.

**Red Clover, Medium (*Trifolium Pratense*).** More widely known and used than any other, used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. A red clover field can usually be cut twice in a season. It is not hardy for a period of years, being usually resown every third season; flowers pink. Price, 30c. lb.; larger quantity price on application.

**White Dutch or Lawn Clover (*Trifolium Repens*).** This is valuable for pasturage; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone or 5 lbs. if sown on old turf or with other crops. 10c. per oz.; ¼ lb., 20c.; 60c. lb.; 5 lbs., \$2.80; \$5.50 for 10 lbs.; bu. (60 lbs.), \$30.00; \$50.00 per 100 lbs.



Our Strains of Red Clover in all types are unusually fine

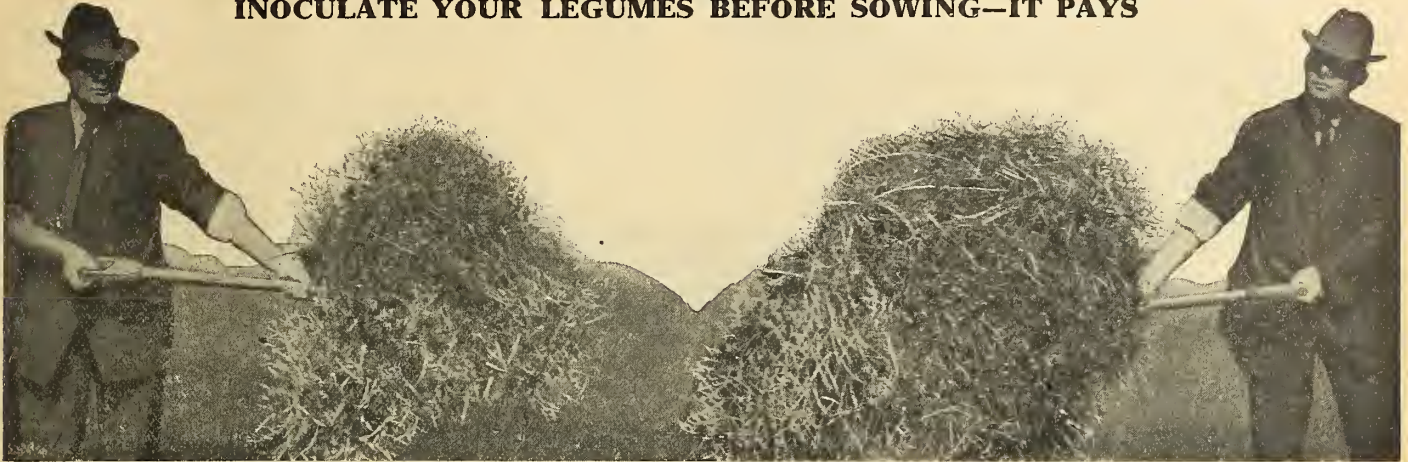
Allow 40c. for each 2-bushel Bag for shipping clovers. (These are returnable for credit.)

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# NITROGEN-GATHERING BACTERIA THE WONDERFUL FERTILIZER 47 FOR LEGUMINOUS CROPS

**INOCULATE YOUR LEGUMES BEFORE SOWING—IT PAYS**



Alfalfa from a well prepared Seed Bed—No Inoculation

Alfalfa from a well prepared Seed Bed—Inoculated with Farmogerm

The great Fertilizer Value of Legumes depends entirely upon Inoculation with these Bacteria. 1000 to 2000 Pounds of Nitrates to the acre can be deposited in little sacks or nodules on the roots of the legumes, which will be immediately available for any following crop. Legumes embrace all of the various types of clovers, peas, beans and such other plants that have blossoms similar in shape and form to the above named. This type of plant has the ability of taking from the air vast quantities of free nitrogen, which exists there and which is not absorbed by other plants than those which belong to the legume family. This nitrogen is taken (breathed so to say) through the stems of the plant and deposited at the roots in little sacks or nodules, where it becomes immediately available as plant food in the form of nitrates. The application of bacteria to the seed of these legumes when planting practically trebles the nitrogen-gathering power and for this reason we urge all planters to use it on all such occasions. Please note that the bacteria is not applicable to any other class of plant through inoculation, except as noted below; succeeding crops, though, following on ground where bacteria was used, derive tremendous benefits, as many plants that are not legumes require quantities of nitrates as plant food.

**PRICES**

5-Acre Size, \$5.00 (A Dollar per Acre) .....	By mail \$5.25
1-Acre Size .....	1.50 1.65
1/4-Acre Size .....	.50 .55
Small Size (Supplied only for Garden Peas, Garden Beans, Lima Beans and Sweet Peas) .....	.25 .30

## Mulford Cultures

FOR LEGUMES

Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil.

Mulford Cultures are scientifically prepared and tested with the utmost care and skill. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your seed. The sealed bottle insures purity.

Legumes offer the best-known means of maintaining soil fertility and rejuvenating over-cropped and wornout fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, cotton, corn and other non-legume crops.

The U. S. Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation of legumes with nitrogen-fixing bacteria to induce a prompt "catch" and increase your yield.

Mulford Cultures are prepared for

- |                   |               |              |             |
|-------------------|---------------|--------------|-------------|
| ALFALFA (Lucerne) | ALSIKE CLOVER | VETCH        | LIMA BEANS  |
| CRIMSON CLOVER    | BURR CLOVER   | VELVET BEANS | LESPEDEZA   |
| SWEET CLOVER      | COW PEAS      | SWEET PEAS   | BEGGAR WEED |
| RED CLOVER        | SOY BEANS     | GARDEN PEAS  | AND OTHERS  |
|                   | PEANUTS       | GARDEN BEANS |             |

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

### ALPHANO INOCULANT

comes in a finely powdered form, making it easy to use. But, most important of all, it guarantees to you bacteria of the highest possible vigor. The carrier used makes an ideal material for the bacteria's breeding and living place. They re-fer to the bacteria's breeding and living place. They re-fer to the bacteria's breeding and living place.



Roots of cow peas inoculated with Alphano Inoculant, showing the abundance of nitrogen nobs or nodules. Each one is filled with millions of air nitrogen gathering bacteria.

**PRICES OF ALPHANO INOCULANT**

Trial size, 25c. (by mail, 35c.); 1-acre size (net weight of can, 2 lbs.), \$1.00; 10-acre size (net weight, 20 lbs.), \$8.00 (Postage extra.)

All prices subject to market changes

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tain their vitality for a long period and under conditions utterly impossible with other carrying substances used.

In addition to its distinct advantage of double nitrogen action in the soil, and that it contains all the essential legume bacteria in the one package, and that you need never have but the one kind to meet all your inoculation needs; there is also its remarkably low price.

Alphano Inoculant, the makers claim, serves as a bacteria for all crops, the reverse of statements by other makers of bacteria, the reason, however, may lie in the fact that it is a soil or humus bacteria, while others are manufactured cultures. The Alphano Humus Company, who make this, have been experimenting with it and testing it out for several years in the agricultural departments of various experiment stations with results that were so highly satisfactory as to encourage them to place it on the market. Complete directions are on every package, and a special circular on Alphano Inoculant may be had free on request.

# 48 MICHELL'S HIGH GRADE FARM SEEDS, Etc.

We make a specialty of Farm Seeds, and on this and the following 3 pages will be found a list of the popular kinds. They are all extra re-cleaned of new crop and should give splendid satisfaction. Prices are not named here for large quantities as they fluctuate constantly, however we will be pleased to quote prices before shipping, or if customers wish we will fill their orders at lowest prevailing rates for high quality seed.

Always allow 40c. for each two bushel seamless bag when ordering farm seeds. These are returnable for credit at the price charged.

**ALFALFA** (See page 46)

**ARTICHOKES** (See page 38)

## BUCKWHEAT

In the locality of Philadelphia this is sown anywhere from June 1st to July 15th; one bushel of 48 lbs. broadcasted to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. It makes a very fine quality of flour, but is largely used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flower makes ideal bee food; while the straw is very abundant. Our seed is grown by a specialist in New York State, who procures his seed stock every few years from Japan. Any of the clover crops can be sown with buckwheat, these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre.

**Silver Hull.** Late maturing variety; grain making whiter flour; very prolific.

**Japanese.** Very early variety. Dark, large grain. Price of Buckwheat, 15c. per quart. For larger quantities, price on application.



A Field of Japanese Buckwheat

## BARLEY

The straw is good for green feed or when cured, as hay. The grain in the hull is excellent poultry feed. If wanted for hay it should be cut while the grain-head is in a soft or milky condition. Sow broadcast 1½ to 2 bushels per acre from May 15th to July 1st. 48 lbs. per bushel.

Barley makes an ideal nurse crop for spring sown Alfalfa. When sown in connection with alfalfa use ½ to ¾ bushel per acre broadcast; when ripe harvest as usual or cut and rake off.

**Beardless Barley.** New York grown stock frequently yields 50 bushels per acre. 15c. qt. Larger quantity, price on application.

**NOTE.**—While offered as beardless, barley has the fault if not carefully selected for seed purposes of reverting back to its type which is bearded, so that a few stalks of bearded heads will invariably appear in the field.

## BROOM CORN

The chief value of this plant lies in the top or brush, as it may be called, which is made into brooms. The fodder is suitable for bedding and grows to a height of about nine feet. This sort produces extremely straight brush, retaining its green color well after ripening, thus commanding highest market prices. Sow in May about ten pounds per acre in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row. It is usually in condition for cutting on the first approach of the frost, the brush part being gathered first.

**Evergreen.** Yields 1000 lbs. of salable brush per acre. Bushel, 46 lbs. 15c. qt. Larger quantity, price on application.

**CLOVERS** (See page 46)

## FLAX

This is grown for the fibre from which linen thread is made and also for the seed from which that indispensable product, "Linseed Oil," is made. When ground it makes an excellent tonic when fed to horses, cattle and poultry. If sown to harvest seed, plant a bushel to the acre from May 15th to June 15th. If desired for the fibre, sow 1½ to 2 bushels (bushel, 56 lbs.). Lb., 10c.

**GRASSES** see pages 40 to 45 inclusive.



Beardless Barley



## BEANS, SOJA OR SOY

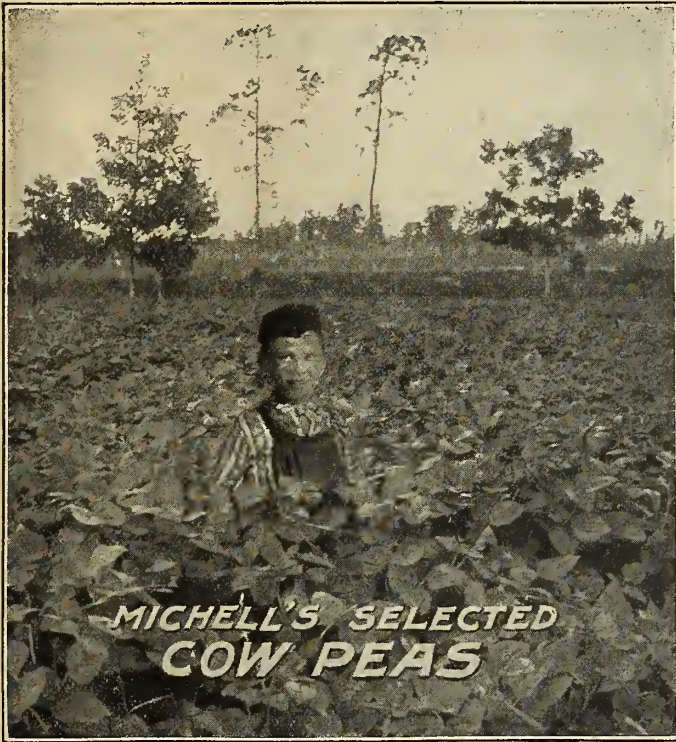
This very valuable farm plant enriches the ground in which it is planted by the free nitrogen gathered from the air and which is deposited in the ground by the roots, leaving it in ideal condition and rich in nitrogen for the next crop. Fodder is relished in either green or dry form by cattle and dairy cows. Excellent to combine as feed with other hay or corn. The seed when harvested and ground into meal gives milk a very rich flavor and is fed with great advantage to milch cows mixed with bran or any other soft feed. Sow 1½ bushels per acre alone or ½ bushel Soja Beans with one bushel Cow Peas. Sow in drills 2½ feet apart anytime from the first to the last of May. If wanted for silo it will be ready for harvest about the first of September or earlier, when the pods will be well filled; yields as high as 20 tons of green food per acre. (Per bushel, 60 lb.)

**Mammoth Yellow** (Late) | **Ito San** (Very Early)  
**Early Hollybrook** | **Wilson** (Early)

Prices on Application

2-Bushel Seamless Bags used on Farm Seeds. 40c. each (returnable at price charged)

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## COW PEAS

**Note:** Occasionally some people order Cow Peas, thinking they are the same as Canadian Field Peas and sow them early and in consequence they do not germinate, as they do not stand cold, and the innocent seedsman is blamed for what is not his fault. There is a wide difference between Cow Peas and Canadian Peas, the latter which are offered in the opposite column.

Cow Peas are one of the best, largest yielding and most nutritious of the farm crops; they provide the most inexpensive methods of bringing soil back to a stage of fertility. In the South it is the staple forage crop for winter feeding. On ordinary ground they will yield from 10,000 to 20,000 lbs. of green fodder to the acre. They grow in the poorest kind of soil, taking the free nitrogen from the air, which it deposits in the ground through the roots, leaving it very rich in ammonia. The short-growing varieties are best for turning under as green manure, while the trailing sorts are desirable for hay. Cattle, sheep or hogs can be turned into a field of them and they will eat it off greedily and the stubble can be plowed under. In the latitude of Phila., sow from May 1st to July 1st, 2 bushels per acre broadcast, or 1 bushel per acre in drills. For a large crop sow the seed as late as possible and not too thick.

**Black.** One of popular varieties extensively grown. It is very prolific and matures early. It is of upright growth, consequently preferred for ploughing under or for grazing stock.

**Large Black Eye.** An exceedingly heavy cropper, but late to mature. In the South the seed of this variety is sold for dried peas for household use; it is claimed they are quite delicious.

**Whippoorwill.** Medium early, upright growing, variety extensively used, more than any other. The seed is brown and gray speckled. It is a heavy producer of both pods and fodder. Some claim this variety gathers more nitrogen than others.

**New Era.** Of upright growing habit, quick to mature and remarkably prolific in both vines and pods. The seed is smaller and requires only from  $\frac{3}{4}$  to 1 bushel for sowing an acre.

**Mixed Varieties.** Many planters prefer these to the separate sorts; the mixture makes a rank growth of plants.

**Prices:** These fluctuate constantly; will be quoted on request.

### NITROGEN-GATHERING BACTERIA—MULFORD GERM

This will be found a very valuable preparation in connection with plantings of Cow Peas. See p.47 for full particulars.



Canadian Cluster Oats

## CHOICE SEED OATS

Our prices are all based on the legal weight of 32 lbs. per bushel. Sow from April till June, 3 bushels to the acre.

Our stocks of Seed Oats are unusually good, free from weeds, mustard, etc., and may be counted upon to yield large crops.

**Swedish or Washington.** The long erect straw is noted for its ability to stand up in rough weather; grains are very plump and nearly pure white in color; this variety is especially free from rust and other disease. 15c. qt.

**Canadian Cluster.** This variety is an enormous yielder, producing very large heads. Originally brought from the oats-belt of Canada, but has now been thoroughly acclimated to the climate of the United States. 15c. qt.

**Storm King (Pedigree Stock).** Our strain of this variety was brought from Russia four years ago and is, without a doubt, the finest and plumpest oats we have ever seen. The straw is very stiff, often measuring five feet in height. Our supply of this is limited, and we recommend early ordering. Often yields 85 bushels per acre. 20c. qt.; peck, 60c.; \$2.00 bushel.

**White Tartar.** This is one of the popular varieties, extensively grown in the locality of Philadelphia; it yields a heavy stiff straw and is a large producer. 15c. qt.

Price for larger quantities of Oats on application.

## FIELD PEAS (Canadian)

These are used for various purposes, chief among them being a very early green food; when used this way they are sown with oats about April 1st at the rate of  $1\frac{1}{2}$  bushel of Peas and  $1\frac{1}{2}$  bushel of Oats to the acre either drilled or broadcasted. They are cut just after the peas flower and fed green; sheep, hogs and cattle relish them keenly. They may be sown successively up to July if one has the available land. Peas may also be sown alone at the rate of 3 bushels per acre and furnishes excellent hay. For plowing under as green manure, they add a vast amount of nitrogen to the soil and succeeding crops sown there the same year or even later, particularly wheat, are wonderfully benefitted by producing a more luxuriant growth and larger yield. The dried peas are extensively fed to pigeons while when ground as meal is an excellent addition to the regular soft food of cows, sheep and horses. Price changes constantly and will be quoted on request.

50 **MICHELL'S SELECTED FARM SEEDS, Etc.** Prices on All Farm Seeds are Subject to Market Changes

**CARROTS**

See offer under page 16.

**CATTLE BEETS (Mangel Wurzel)**

See offer under page 26.

**COTTON SEED**

**Sea Island.** If sown early in May, will mature in the latitude of Philadelphia. Pkt., 5c.; 15c. per ¼ lb.; lb., 30c.; \$1.00 for 5 lbs.

**KAFFIR CORN—White, for Seed**

This belongs to the Sugar Cane family and has great drought-resisting qualities; the grain is used for feeding poultry and the fodder for cattle, is ideal for planting where the corn seed has failed to germinate and it is too late to replant. Grows from 4 to 6 feet high, the grain being produced on the top of a stalk in the shape of a brush; frequently as many as four heads of grain will be found on a single stalk. It usually ripens after the first few frosts; produces enormous crops. Can be sown as late as July at the rate of 10 lbs. per acre in drills. Bu. (56 lbs.), 10c. lb. Price for larger quantity on application.

**RAPE**

**Dwarf Essex.** This makes an indispensable green food for sheep and hogs. It can be pastured 8 weeks after sowing; the growth is enormous; if one has the available land it is good to sow in succession, as the stock eat it close to the ground and it will not stand pasturing any great length of time; this, of course, depends on the number of head turned on an acre. Sow 6 lbs. per acre broadcast or in drills from April 1st to October 1st. It produces enormous crops and is ideal green manure. Experiment Stations recommend that stock, feeding on it, should have ready access to salt. This is an ideal food for young lambs and hogs and does well under trying conditions. 25c. lb. Price for larger quantity on application



*A Head of Japanese Millet*

**MILLET**

Can be sown as late as July 15th and yield a tremendous crop. Is also desirable for green manuring, when it should be turned under when about to inches high. It makes an excellent green food for stock not allowed to pasture. If used for hay and dried it should be cut just as it matures.

**Hungarian.** The seed produces hay not so fine in quality as the "German," also fully a foot less in height, it can, however, be sown some 2 weeks later. Sow 1 bushel (48 lbs.) per acre. 15c. lb. Price on larger quantities on application, account of change in market value.

**Japanese Barnyard.** This wonderful Millet yields possibly more fodder than any other forage plant that requires so little to sow an acre. Frequently as high as 12 tons of green food has been obtained from an acre. If sown early in May it may be cut twice in one season. Sow 12 lbs. per acre broadcast anywhere from May 1st to June 15th. 15c. lb.

**Pearl (Pencillaria Spicata).** A valuable fodder plant. Enormously productive. Sow in drills 2 feet apart, 10 to 12 lbs. per acre. 15c. per lb. Price for larger quantities on application.

**Tennessee, German or Golden.** This requires a longer season to mature than the other sorts; it produces a very fine quality of hay and makes a larger seed head. In good seasons it grows about 4 ft. high. Sow 1 bush. (48 lbs.) broadcast to the acre, from April 10th to July 10th. 15c. lb. Price on larger quantities on application, account of change in values.

**SEED RYE**

**Spring.** This furnishes an excellent early green food if cut, or for pasture; the grain is used for feeding and other purposes, while the straw is a very fine quality, making a larger yield than the winter rye from which it is quite distinct, the seed being smaller. Sow 1½ bushels broadcast or in drills from May to June 1st. 56 lbs. per bu. 15c. qt. Price for larger quantity on application.

**Thousandfold Winter.** This makes a fine winter cover crop, being usually sown in the autumn as late as November, making a very fine yield of long stiff straw. Winter rye will not mature if sown in spring. Sow 1½ bushels per acre. 15c. qt. Larger quantity price on application.

**SUGAR CANE or SORGHUM**

**Early Amber.** Either green or in a cured state this makes ideal cattle food; it imparts a desirable flavor to milk. The seed can be thrashed out of the stalks and used as poultry feed. It is a tremendous producer, growing often 12 feet high; it stands the hot, dry weather and can be cut several times in one season. Sow 25 lbs. of seed to the acre in drills 3½ feet apart; 1 or 2 bushels broadcast. Bu. (48 lbs.), 15c. lb. Larger quantity price on application.



*Sorghum Makes Fine Green Food for Dairy Cows*



*A Bumper Crop of Spring Rye*

ALL PRICES SUBJECT TO CHANGE

## TIMOTHY SEED

Each year we handle a number of carloads of this. We aim to sell the purest and highest germination quality. Our prices are as low as quality will allow. Price, 20c. per lb. Samples and quotations on larger quantities furnished cheerfully on request.

## TEOSINTE (*Reana Luxurians*)

This is used extensively in the South, where it is, at times, difficult to grow forage crops on account of the long periods of drought and frequently poor soil; a single plant makes a tremendous growth, often producing as many as fifty stalks. Its foliage is like corn leaves, very broad and contain a sweet sap. Cattle eat it with a relish. It stands 5 feet high when matured, but it can be cut when two or three feet high. It produces new branches or stalks from the roots. Sow during May and June in drills  $3\frac{1}{2}$  feet apart, 5 to 6 lbs. per acre. 75c. lb.; 5 lbs., \$3.50.

## SUNFLOWER

**Mammoth Russian.** This makes a splendid poultry food, especially for winter use, on account of its heating and fattening qualities. Will yield sometimes as high as sixty bushels per acre. Harvest after first few frosts, cutting the seed head from the plant, piling them loosely on the grain floor or hanging them in bunches on the rafters of the barn until thoroughly dry. Sow 10 qts. per acre in drills 3 feet apart, dropping the seed about every 4 inches. 12c. qt.; 4 qts., 40c.; 65c. per peck; bushel, 25 lbs., \$2.50. Price for larger quantity on application.

## SPELTZ or EMMER

This grain resembles wheat, but is a much larger yielder, producing frequently as high as 80 bushels of grain per acre, and that on the poorest land. The hay if cut green is desirable for horse or cattle feed, while the straw after thrashing is equal to the best wheat. The grain is desirable for feeding to hogs or poultry. Sow as you would wheat, 2 bushels to the acre any time after April 1st; the earlier the better. 20c. qt. Price for larger quantity on application.

## VETCHES or TARES

This has been used in Europe for many years as a stock food and green manuring or cover crop. It does best if sown with rye, the latter gives it support and thus ensures enormous crops. It makes an ideal hay and it is a pity that every American farmer does not use it. It fertilizes the ground without further trouble or cost, on account of the free nitrogen it gathers from the air. It produces a peculiar vine plant with very narrow foliage and elongated flowers of pinkish white in clusters. The height when supported is frequently 4 feet.

**Winter Vetch (*Vicia Villosa*).** Sometimes called Sand or Hairy Vetch. Our stock of this is the true type, being imported by us direct from Russia and which will absolutely live throughout the winter. There is also an English strain on the market which is not hardy in the Northern sections of the United States, and buyers should beware when buying that they procure the right article, which is a small round black seed; this is far superior to Crimson Clover, as it never winter-kills. Sow from August 1st to October 1st, but the earlier the better, broadcast, 1 bushel per acre, to which we suggest adding a bushel of winter rye or wheat. In the spring it can be plowed in as green manure, or when in flower cut for hay. All stock relish it keenly. 25c. lb. Price for larger quantities on application.

## Spring Vetch (*Vicia Sativa*).

The seed of this is larger than the "Winter" and of a brownish gray color. It is not hardy and must, therefore, be sown in the spring during May or June, 1 to 2 bushels per acre if broadcast and 1 bushel if in drills, with either spring wheat, spring rye or oats for support. It possesses very much the same desirable features as the winter vetch. 15c. lb. Price for larger quantities on application.

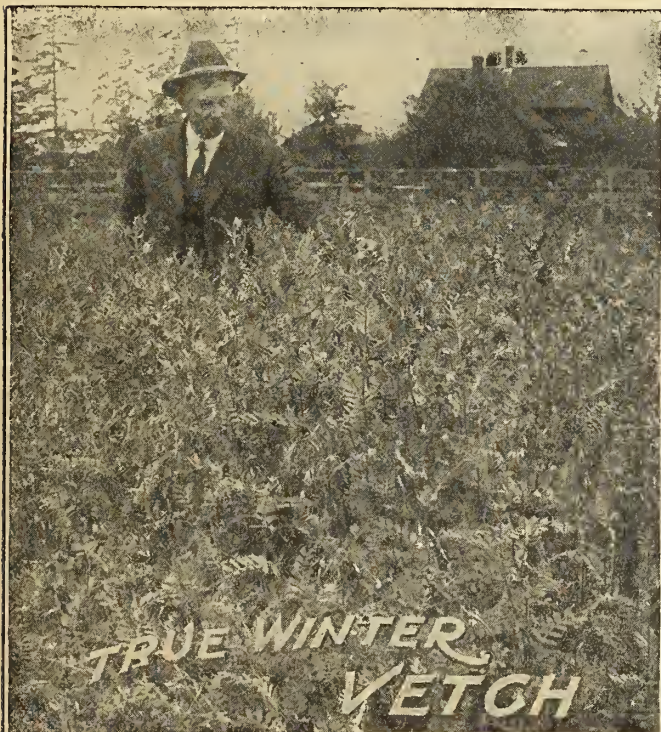
## SPRING WHEAT

A desirable crop to sow where fall-sown wheat has been killed by severe winter; the grain is very hard and of excellent milling quality. Macaroni is made from this variety. Our stock is grown in the extreme Northwest and is very fine.

**Saskatchewan Fife.** This is the favorite sort in this locality and is used on account of its prolific, vigorous growth and early qualities. It often produces 50 bushels per acre. Sow in April or May  $1\frac{1}{2}$  to 2 bushels per acre, broadcast or in drills. 20c. qt. Price for larger quantity on application.

## SUDAN GRASS

An annual and must be sown each year. Resembles millet somewhat; stock seem to relish it; will yield from 2 to 4 tons per acre. Sow in drills or broadcast 16 to 24 lbs. per acre; several cuttings can be made from a sowing in one season. Thrives excellently in a season of drought. On account of the uncertainty of the crop price will be quoted on application.



MICHELL'S SELECTED

# FIELD SEED CORN

## Prices on Field Corn subject to market changes

Plant 8 to 10 qts. per acre in hills sow  $2\frac{1}{2}$  to 3 bushel broadcast for fodder

Our strains of corn are not the common kinds usually found in abundance on the market; we pay as much attention to carefully selected stocks in all lines of farm seeds as we do the critical vegetable and flower seed part of the business. This is particularly true of field corns where re-selection means the limit of crop with little or no increase in cost. It is amazing to realize where the old unselected seed is used the average crop per acre is only half compared to the more intelligent selection of strains. Our stock is selected for size of ear and fodder, uniformity of kernel and the careful finish of the tip and butt, all of which mean a considerable increase in production.

### Never use feeding Corn for Seeding Purposes

(Prices are all per bushel of 56 lbs.)

**Chester County Mammoth.** A native variety of this vicinity, grown especially for us by an expert corn raiser. The ear and stalk are almost as large as Golden Beauty. The dented kernel is deeper, however, and of a light yellow shade; a late maturer. Qt., 20c.; 60c. per 4 qts.; peck, 90c.; \$3.00 per bu.

**Cloud's Early Yellow Dent.** Our stock of this is grown on especially prepared ground. Every grain is uniform and perfect. Though the fodder grows often 10 feet high, the crop is matured in 100 days. The ear is about 10 inches long with a very thin cob when shelled, while the canary yellow grains are about  $\frac{3}{4}$  of an inch long. It delights in rich soil if the best is expected of it. Qt., 20c.; 60c. for 4 qts.; peck, 90c.; \$2.75 per bu.

**Early Canada Flint (Eight Rowed).** This is a medium broad grained variety, perfectly smooth on the end and very hard. Makes a desirable sort for late planting. The cobs are very thin when shelled, excellent for pigeon and poultry feed. Qt., 20c.; 60c. for 4 qts.; peck, 90c.; \$3.00 per bu.

**Early Mastoden.** An early robust growing variety, producing large ears and grain. Qt., 20c.; 60c. for 4 qts.; peck, 90c.; \$3.25 per bu.

**Eureka Yellow Dent, for Ensilage.** Light canary yellow deep grained fine ear and fodder. Qt., 20c.; 60c. for 4 qts.; peck, 90c.; \$2.75 bushel.

**Hickory King.** A very broad dented white grain, white cob variety, for ensilage, silo and fodder purposes it is ideal. It matures very late, and is an enormous producer. Qt., 20c.; 60c. for 4 qts.; peck, 90c.; \$3.25 per bushel.

**Golden Beauty.** The broad massive golden yellow dented grains are arranged very evenly on gigantic cobs. The fodder is enormous, often growing 12 feet high; it matures late, but yields wonderful crops; desirable for silo and ensilage purposes. Qt., 20c.; 60c. per 4 qts.; peck, 90c.; \$3.25 per bushel.

**100 Day Bristol.** This matures within the time named and produces large stalks. The ears are about 9 inches long, very thin cob when shelled. The sulphur yellow grain is dented, very broad and not very deep; an easy variety to husk. 20c. qt.; 4 qts., 60c.; 90c. peck; bushel, \$3.25.

**Leaming Early Dent.** This variety has always been used foremost by most planters of field corn. It is readily distinguished by the beautiful long ears of deep grained, uniform kernels, resplendent in a deep shade of golden orange. The cob when shelled is very small and of reddish color. The stalks grow about 7 feet, very leafy, excellent for fodder, and on the average will produce two ears to the stalk. This strain assures the largest ears with every kernel perfect; ripens in 90 days and occasionally crops 100 bushels to the acre. Our stock is grown by the most experienced grower, who carefully selects and re-selects the seed, thus assuring a bumper crop. Every grain is uniform and perfect. Qt., 20c.; 60c. for 4 qts.; peck, 90c.; \$3.25 per bushel.

**Reid's Yellow Dent.** A splendid late variety with an average record of 100 bushels per acre; small cob, deep bright yellow grain. Qt., 20c.; 60c. per 4 qts.; peck, 90c.; \$3.25 per bushel.

**Red Cob Ensilage.** A long narrow white grain, a late maturer and used for silo, green feed or ensilage purposes. A tall rank grower and prolific in leaves. 15c. qt.; 4 qts., 50c.; 85c. peck; bushel, \$3.00.

**Virginia Ensilage.** This grows invariably 12 to 14 feet high, stands up during the most severe windstorms. The seed is white, very deep and broad, with a thin red cob. It is the principal ensilage corn of the South. It will yield more fodder than any other variety. Qt., 15c.; 50c. for 4 qts.; peck, 85c.; \$3.00 per bushel.

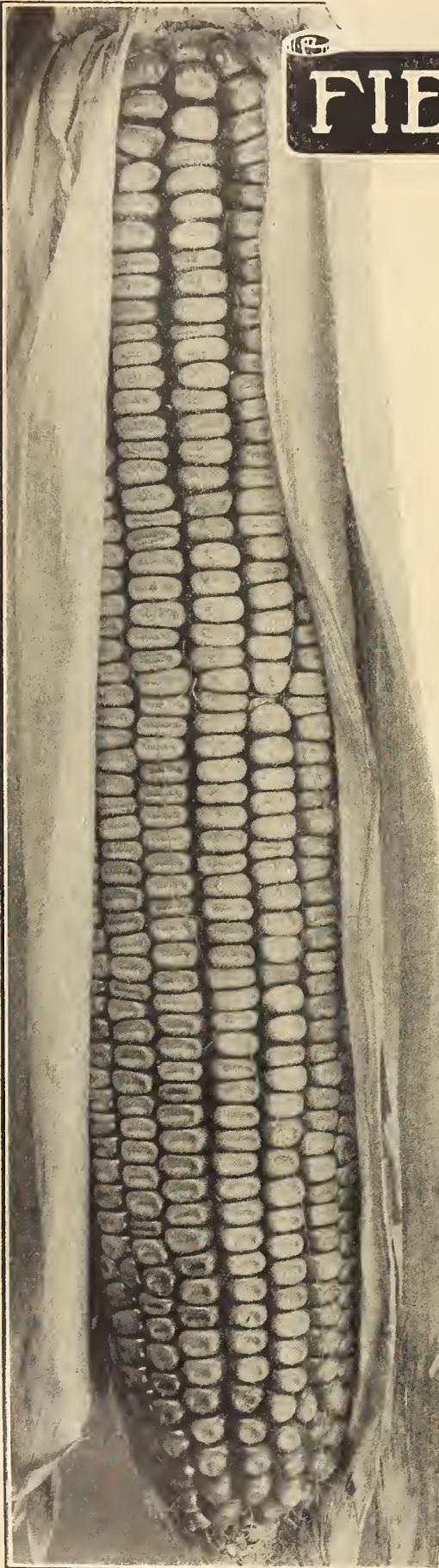
## AMERICAN HAND CORN PLANTER

A planter of this type is a great economizer of seed, saving labor. Price, \$3.00.

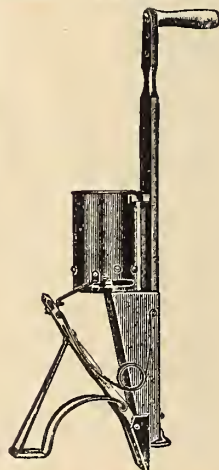
No. 6 $\frac{1}{2}$  Keystone Horse Power Planter, \$20.00 each.

### ABOUT FIELD CORN ON EAR

We have discontinued handling it in this form. All our seed corn is shelled from carefully selected ears, which are tipped and butted before being shelled.



Leaming Corn



American Hand Corn Planter

Allow 40c. each for 2-bushel Seamless bags on Corn orders. These are returnable for credit



# Michell's Distinctive Flower Seeds

## "SUBURBAN" COLLECTION OF ANNUALS

25 Varieties. Special Price, \$2.00

- 1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.  
 1 oz. Nasturtium. Tall Fancy Giant. Mixed.  
 1/4 lb. Sweet Peas. Spencer Varieties. Mixed.  
 1 oz. Mixed or Wild Flower Garden Seeds.

And one packet each of the following:

- |                              |                                       |
|------------------------------|---------------------------------------|
| Ageratum. Blue Perfection.   | Marigold. Pride of the Garden.        |
| Alyssum. Little Gem.         | Mignonette. Machet.                   |
| Aster. Invincible. Mixed.    | Pansy. Giant Trimardeau.              |
| Balsam. Camellia Flowered.   | Petunia. Choicest Mixed.              |
| Calliopsis. Golden Wave.     | Phlox Drummondii. Grandiflora. Mixed. |
| Candytuft. Giant White.      | Poppy. Michell's Shirley.             |
| Celosia. Thompsoni Magnifica | Portulaca. Double Mixed.              |
| Centaurea. Emperor William.  | Sunflower. Cut-and-Come-Again.        |
| Cosmos. Giant Fancy Mixed.   | Zinnia. Giant Robusta. Mixed          |
| Dianthus. Double Fringed.    |                                       |
| Eschscholtzia. Golden West.  |                                       |
| Larkspur. Giant. Mixed.      |                                       |

## "POPULAR" SEED POCKET OF ANNUALS

15 Varieties. Special Price, 50c.

One packet each of the following:

- |                            |                              |
|----------------------------|------------------------------|
| Alyssum. Sweet.            | Petunia. Fine Mixed.         |
| Aster. China, or German.   | Phlox Drummondii.            |
| Cosmos. Giant Mixed.       | Poppy. Paeony Flowered       |
| Marigold. Dwarf French.    | Portulaca. Single Mixed.     |
| Mignonette. Sweet Scented. | Sweet Pea. Gilt Edge. Mixed  |
| Nasturtium. Dwarf Mixed.   | Zinnia. Tall Double Mixed.   |
| Nasturtium. Tall Mixed.    | Mixed or Wild Flower Garden. |
| Pansy. Very Fine Mixed.    |                              |

## "QUAKER CITY" COLLECTION OF ANNUALS

16 Varieties. Special Price, \$1.00

- 1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.  
 1 oz. Nasturtium. Tall Fancy Giant. Mixed.  
 1 oz. Sweet Peas. Gilt Edge. Mixed.

And one packet each of the following:

- |                             |                                       |
|-----------------------------|---------------------------------------|
| Ageratum. Blue Perfection.  | Mignonette. Sweet Scented.            |
| Alyssum. Little Gem         | Petunia. Choice Mixed                 |
| Aster. Improved Branching.  | Phlox Drummondii. Grandiflora. Mixed. |
| Centaurea. Emperor William. | Poppy. Carnation Flowered.            |
| Cosmos. Giant Mixed.        | Portulaca. Double Mixed               |
| Larkspur. Tall. Mixed.      | Zinnia. Giant Robusta. Mixed          |
| Marigold. Large African.    |                                       |

## COLLECTION OF HARDY PERENNIALS

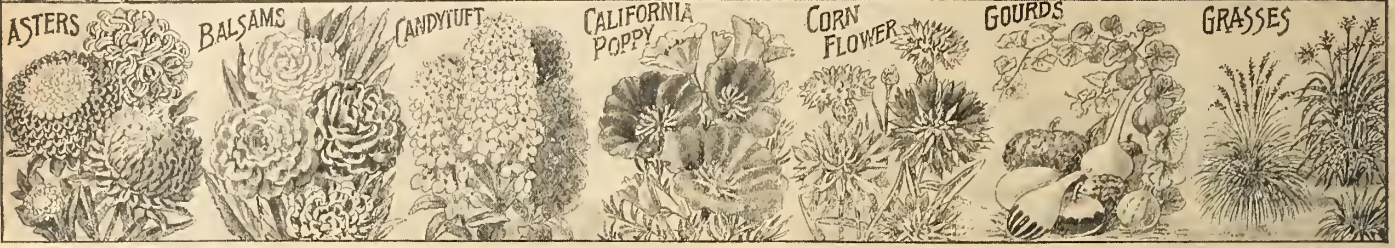
18 Varieties. Special Price, \$1.25

One packet each of the following:

- |                                     |                              |
|-------------------------------------|------------------------------|
| Aquilegia. Single Mixed.            | Heuchera. Sanguinea.         |
| Calliopsis. Lanceolata Grandiflora. | Hollyhock. Chater's Double.  |
| Campanula. Pyramidalis.             | Lobelia. Cardinalis.         |
| Delphinium. Formosum.               | Phlox. Decussata. Mixed      |
| Dianthus. Clove Scented.            | Platycodon. Blue.            |
| Digitalis. Gloxiniaeflora.          | Pyrethrum. Single. Mixed.    |
| Mixed                               | Scabiosa. Caucasica.         |
| Gaillardia. Grandiflora.            | Stokesia. Cyanea.            |
| Gypsophila. Paniculata.             | Sweet William. Double.       |
|                                     | Mixture of Perennial Flowers |

Collections of Asters, Dianthus, Phlox, etc., will be found on next page, also under their respective heads.

# MICHELL'S SEEDS OF OLD FASHIONED FLOWERS



## Michell's 28 Collections of Popular OLD FASHIONED FLOWERS

On this page the lover of Old-Fashioned Flowers will find a selection of all the better varieties grouped under their respective names. They are also listed through the Flower Seed pages, where they are described more fully.

- ASTERS**—Michell's Improved Simple's Branching, in 6 charming and distinct colors; late bloomers .....\$0.50
- Michell's Invincible. Early and profuse flowering, massive paecony formed flowers; 5 colors ..... .40
- New Crego. Twisted and curled petals like a huge chrysanthemum; splendid varieties in 5 colors ..... .40
- Early Royal Branching. Bloom in July and August; 5 colors ..... .40
- Queen of the Market. In 6 grand colors; very fine ..... .50
- Truffaut's Paecony Flowered Perfection; 5 colors ..... .40
- Giant Comet. 6 exquisite forms and colors; select ..... .50
- Improved Victoria. Extra fine varieties in 5 colors ..... .40
- BALSAMS**—Double Camellia Flowered. A greatly improved strain of these old favorites in 6 colors; very double..... .30
- CALIFORNIA POPPIES** (Eschscholtzia). Their brilliant colors make the garden gay; very useful for cutting; 7 distinct colors ..... .40
- CANDYTUFT**. Flowers within six weeks after sowing, and will give a mass of attractive blooms; 6 colors ..... .25
- CORN FLOWER** (Centaurea or Sweet Sultan). Great improvements will be found in these and many different forms; 6 colors ..... .50
- GOURDS**. A most bewildering assortment of these interesting subjects, ever so greatly admired; 8 varieties..... .30
- GRASSES** (Ornamental). In 11 grand varieties ..... .60
- HOLLYHOCKS**. No garden should be without these very showy plants; 6 grand and distinct colors..... .50
- 12 imported varieties; the very best to be had ..... .75
- MARIGOLDS**. Double French. Profuse bloomers and always showy; 6 imported varieties ..... .30
- Double African; 6 distinct sorts..... .30
- MIGNONETTE**. Ever a favorite in the garden, and these 8 varieties will bloom until frost ..... .50
- MORNING GLORY** (Convolvulus). Tall. Old favorites for covering porches and trellises; 8 splendid imported sorts... .40
- NASTURTIUMS**. Invaluable as showy garden plants.
- Dwarf. 6 distinct sorts; one pkt. each 12 distinct sorts; one pkt. each..... .50
- Tall. 6 vigorous sorts; one pkt. each... 12 distinct sorts; one pkt. each..... .50
- PANSY**. No garden is a garden without Pansies. Ours are admitted to be the finest in existence.
- Giant Prize. 6 grand colors; fine..... .90

- Giant Prize. 12 grand colors; exquisite.\$1.40
- Regular Sorts. 6 fine colors..... .50
- Regular Sorts. 12 fine colors..... .90
- PETUNIAS**. A greatly improved strain in colors and size; immense frilled flowers; single; 6 colors..... .60
- PHLOX**. Drummondii Grandiflora. 12 very beautiful and gaudy imported sorts.. .75
- PINKS** (Dianthus). Their delicious odor makes them ever attractive. Odd forms in 10 varieties..... .50
- POPIES** (Single Annual). Rich in colors. The most showy flowers in the garden and great favorites; 8 single sorts ..... .50
- Double Paecony Flowered. 6 varieties .30
- PORTULACA**. Single. 8 varieties..... .30
- Double. The finest imported that can be had; 6 gorgeous colors; grand.... .50
- PRIMROSE** (Primula Chinensis). Every one loves them; these 8 imported sorts are grand ..... .75
- SALPIGLOSSIS**. Very curious and interesting forms; many are quite new; 6 fine sorts ..... .50
- SNAPDRAGONS** (Antirrhinum). Old standbys for showy groups in many varied colors.
- Michell's Giant. Tall. 6 colors..... .50
- Imported Varieties. 12 showy sorts..... .50
- Imported Semi-dwarf. 12 varieties..... .50
- MOURNING BRIDE** (Scabiosa). Heavenly blue, cherry, red, pink, black and other colors; 6 colors..... .25
- STOCKS** (Flower Market). Each plant produces from 10 to 15 heavy spikes of white, flesh color, rose, light blue or blood-red flowers; 6 colors..... .75
- Dwarf Ten-Week. 8 finest varieties... .50
- STRAW FLOWER**. Helichrysum. Beautiful everlasting flowers, remaining perfect for months; 10 distinct varieties; all fine ..... .50
- SWEET PEAS**. Spencer or Orchid-Flowering. A grand selection of 15 varieties, all beautiful and distinct... 1.00
- Grandiflora. 15 others, our selection... .50
- VERBENAS**. Mammoth Fancy. The kinds that bear the largest flowers; in all colors; 5 distinct kinds ..... .40
- WALL FLOWER**. Single. Well-known favorites of distinct colors; 6 imported varieties ..... .40
- Double. Very fine, compact trusses; 6 kinds ..... .50
- ZINNIA**. Dwarf Double. Indispensable in every garden; masses of crimson, yellow, purple, violet and white flowers in all their shades; 6 grand colors Tall Double. A fine collection; 6 distinct colors ..... .25
- Giant Double. Finest of all; every shade of color found in Zinnias; 8 colors... 1.00



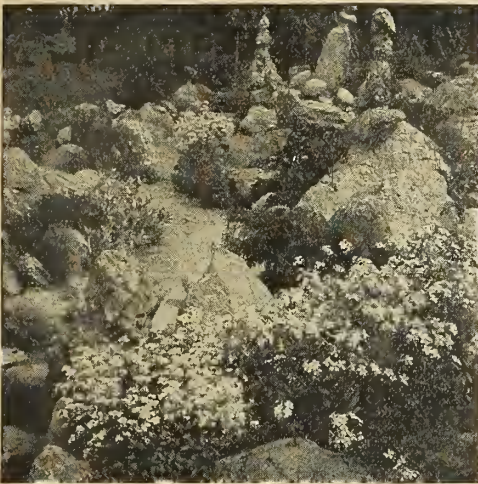


## FLOWERS AND PLANTS FOR ROCK GARDENS

In the past few years Rock Gardens and Rockeries, although of ancient origin, have justly come in favor again. There are few gardens, where something of this sort might not be constructed and made highly attractive, especially in locations where stones are plentiful. They may be used for hiding unsightly objects, or for giving variety to an otherwise flat and monotonous garden. Below we give a selection of plants, especially suited for this purpose.

Varieties marked S. can be furnished in seeds only; marked P., plants only; marked S. P. either plants or seeds. See index of catalog for listing.

- |  |  |
|--|--|
| S. P. <b>Alyssum maritimum</b> (Sweet Alyssum)         | S. <b>Centaurea gymnocarpa</b>                     |
| S. P. <b>Alyssum saxatile compactum</b> (Gold Dust)    | P. <b>Euonymus radicans</b> .                      |
| S. P. <b>Aquilegia in varieties</b> (Columbine)        | P. <b>Ferns</b> , Hardy varieties.                 |
| S. P. <b>Arabis alpina</b> (Rock Cross)                | S. P. <b>Gnaphalium</b> (Edelweiss)                |
| S. <b>Asperula odorata</b> (Woodruff)                  | S. <b>Gypsophila elegans</b> .                     |
| P. <b>Aubrietia</b> (Wall Cress)                       | S. P. <b>Gypsophila paniculata</b> (Baby's Breath) |
| S. P. <b>Candytuft sempervirens</b> .                  | P. <b>Helianthemum</b> (Rock Rose)                 |
| S. P. <b>Campanula carpatica</b> (Hare Bell)           | S. <b>Mesembrianthemum</b> (Ice Plant)             |
| S. <b>Centaurea candidissima</b> (Dusty Miller)        | S. P. <b>Myosotis</b> (Forget-me-not)              |
| S. P. <b>Cerastium tomentosum</b> (Snow in the Summer) | P. <b>Plumbago larpentae</b> (Leadwort)            |
|  | P. <b>Phlox subulata</b> (Moss Pink)               |
|  | S. <b>Portulaca</b> .                              |
|  | S. P. <b>Sedum</b> (Stone Crop)                    |
|  | S. <b>Silene</b> (Catchfly)                        |
|  | S. P. <b>Vinca</b> (Periwinkle)                    |



A Rock Garden planted in this fashion makes a dull spot bright

## FLOWERING PLANTS FOR CUTTING AND OPEN BORDER PLANTING

### ANNUALS

- S. P. **Antirrhinum** (Snapdragon)
- S. **Arctotis** (African Daisy)
- S. P. **Asters**
- S. **Calliopsis**
- S. **Centaurea** (Cornflower)
- S. **Candytuft**
- S. **Celosia plumosa** (Cockcomb)
- S. P. **Cosmos**
- S. **Chrysanthemum tricolor**
- S. " **coronarum**
- S. **Dimorphotheca**
- S. **Gaillardia** (Blanket Flower)
- S. **Gypsophila elegans**
- S. **Gomphrena**
- S. **Larkspur**
- S. **Lupinus**
- S. **Marigold**
- S. P. **Mignonette**
- S. **Nasturtium**
- S. P. **Pinks**
- S. **Salpiglossis**
- S. **Scabiosa**
- S. **Stocks**
- S. **Sunflower**
- S. **Sweet Peas**
- S. **Sweet Sultan**
- S. **Zinnia**

### PERENNIALS

- S. P. **Aquilegia** (Columbine)
- S. P. **Achillea** (Sneezewort)
- S. P. **Anthemis** (Marguerite)
- S. P. **Anemone** (Windflower)
- P. **Artemisia lactiflora**
- S. P. **Aster, Hardy Perennial**
- S. P. **Boltonia** (False Chamomile)
- S. P. **Coreopsis**
- S. P. **Carnation**
- S. P. **Delphinium**
- S. P. **Eupatorium**
- S. P. **Gaillardia grandiflora**
- S. P. **Gypsophila paniculata**
- S. P. **Geum**
- S. P. **Heliopsis**
- S. P. **Heuchera** (Alum Root)
- S. P. **Lily of the Valley**
- S. P. **Lupinus**
- S. P. **Phlox decussata**
- S. P. **Paris Daisy**
- S. P. **Pentstemon**
- S. P. **Pinks**
- S. P. **Rudbeckia**
- S. P. **Shasta Daisy**
- S. P. **Stokesia**
- S. P. **Statice**
- S. P. **Stevia**
- P. **Thalictrum**



Borders on the edges of lawns planted in this fashion are an attraction from early Spring to Fall

For Common and Botanical Names of Popular Flowers and Plants see page 98.

A number of Plants, which are grown from Bulbs, produce splendid cut flowers, especially: **Gladiolus, Dahlias, Acid-anthera, Callas** and **Tuberoses**.

## FLOWERS AND PLANTS FOR PARTIALLY SHADED LOCATIONS

Very few plants will flower in places, from which sunshine is *entirely* excluded. They may grow well enough, developing leaves, but *plants* of nearly all kinds must have at least some sunshine. With the exception of Hardy Ferns, which will do very well even in dense shade, the varieties named below should have sunlight for at least 2 hours during the day, to produce best results.

- |   |   |
|---|---|
| S. P. <b>Aconitum</b> (Monks Hood)                                    | S. P. <b>Lobelia Cardinalis</b> (Cardinal Flower) |
| S. P. <b>Anemone</b> (Windflower)                                     | S. <b>Linum</b> (Flax)                            |
| S. P. <b>Aquilegia</b> (Columbine)                                    | S. <b>Matricaria</b> (Feverfew)                   |
| S. P. <b>Auricula</b>   | S. <b>Mimulus</b> (Musk Plant)                    |
| S. <b>Asperula</b> (Woodruff)   | S. P. <b>Myosotis</b> (Forget-me-not)             |
| S. <b>Bartonia</b>  | S. <b>Nemophila</b> (Love Grove)                  |
| S. P. <b>Begonia, Tuberos-rooted</b> (Can be furnished in Bulbs also) | S. <b>Oenothera</b> (Evening Primrose)            |
| S. P. <b>Bellis</b> (Daisy)   | P. <b>Pachysandra</b>                             |
| S. P. <b>Campanula</b> (Canterbury Bells)                             | S. P. <b>Pansies</b>                              |
| S. <b>Clarkia</b>   | S. P. <b>Poppy</b> (Perennial varieties)          |
| S. P. <b>Coreopsis lanceolata</b>                                     | S. P. <b>Polyanthus</b>                           |
| S. P. <b>Cowslip</b>  | S. <b>Schizanthus</b> (Butterfly-Flower)          |
| S. P. <b>Delphinium</b> (Larkspur)                                    | P. <b>Trollius</b> (Globe Flower)                 |
| S. P. <b>Digitalis</b> (Foxglove)                                     | P. <b>Trillium</b> (Wood Lily)                    |
| P. <b>Ferns</b> (Hardy)   | S. <b>Torenia</b>                                 |
| S. P. <b>Fuchsia</b>  | S. P. <b>Violets</b>                              |
| S. P. <b>Gentiana</b> (Gentian)                                       | S. P. <b>Viola cornuta</b> (Tufted Pansies)       |
| S. P. <b>Lily of the Valley</b>                                       | (ho)  |



Plantings against shaded backgrounds like this accomplish wonderful effects

# MICHELL'S NOVELTIES AND SPECIALTIES IN FLOWER SEEDS FOR 1918

For General List of Flower  
Seeds see pages 62 to 97

## NEW SEMI-DWARF ANTIRRHINUMS (Snapdragon)

This type is becoming very popular for bedding purposes owing to their dwarf and compact habit of growth; height about 18 inches.

### CAPTIVATION

A charming rich chamois shaded pink, a unique color. Flowers large; free bloomer.

Per pkt., 25c.; 65c. per 3 pkts.

### GOLDEN BEAUTY

Very large, rich golden yellow flowers; plants of good habit, with long, sturdy spikes.

Per pkt., 25c.; 65c. per 3 pkts.

### MAUVE BEAUTY

Flowers large, and of a lovely shade of rosy mauve.

Per pkt., 30c.; 80c. per 3 pkts.

### PINK GEM

A lovely, clear, rose pink with white throat, very showy and distinct.

Per pkt., 25c.; 65c. per 3 pkts.

### SPITFIRE

A very bright orange scarlet self, the brightest color in this class yet offered; plants are of compact habit, and free flowering.

Per pkt., 25c.; 65c. per 3 pkts.

### THE BRIDE

Pure white, without any yellow on lip.

Per pkt., 10c.; 30c. per large pkt.

### SPECIAL OFFER

One packet each of the above six varieties Semi-Dwarf Antirrhinums for \$1.25.

SEE PAGE 63 FOR  
OTHER VARIETIES OF  
ANTIRRHINUMS.



MicHELL's Giant Antirrhinum

## GIANT SNAPDRAGON (Antirrhinum) MICHELL'S SALMON PINK

For effective grouping in the garden or for cutting, nothing surpasses the Giant Snapdragons, and we are pleased to be able to offer our customers seed of this variety, which will be found a valuable addition to this class of flowers. The large flowers are produced on long spikes and are of a delicate salmon pink color. Per pkt., 15c.; 50c. per large pkt.

## ASTER, AMERICAN BEAUTY

This variety is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. Plants will average two and one-half to three feet in height, according to location, while the immense flowers, usually four to five inches in diameter, are often borne on heavy stems which may be cut two feet in length. The flowers are fully double to the last, are a most lovely shade of bright carmine rose, almost identical with the World-Famous American Beauty Rose. Each plant forms a perfect bush.

Per pkt., 15c.; 65c. per large pkt.



Antirrhinum—Semi-Dwarf

## DWARF ALYSSUM Lilac Queen

A distinct new variety of the annual Sweet Alyssum, with pure lilac flowers. The plants are of the same dwarf compact growth as the white flowering varieties. Per pkt., 10c.; 40c. per large pkt.

## DWARF YELLOW ALYSSUM Lutescens

Of dwarf, compact, upright growth, bearing a profusion of yellow-colored flowers. Pkt., 10c.; 40c. per large pkt.



Aster, American Beauty



Michell's Pink Superb Aster

**NEW ASTER—"MICHELL'S PINK SUPERB"**

This new and valuable variety of Aster is really "Superb" in every sense of the word. The flowers are of immense size, petals long and broad, those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a very attractive shade of pink. One of the admirable features of this new variety is the exceedingly long stems, which usually measure 34 to 36 inches in length, making it a valuable sort for cutting. Per pkt., 25c.; 65c. per large pkt.; ¼ oz., \$1.50.

**BEGONIA—"GROMANII"**

A new variety originating in Michigan; we quote the description as given us by the originator: "A great improvement on Begonia Vernon; foliage, a beautiful bronze green; color of flowers, red (very near Christmas red). We have been selecting the best plants for seed for ten years and feel confident that we have the color fixed, so that every plant will produce red flowers." Per pkt., 65c.

**NEW DOUBLE MORNING GLORY**

**"SNOW FAIRY"**

A new and most beautiful variety of vigorous and rapid growth, beginning to bloom early and continuing until frost. Produces an abundance of double, snow-white, tassel-like flowers two to two and a half inches across by two and a half inches in depth. Per pkt., 10c.; 50c. per oz.

**ASTER, EARLY ROYAL BRANCHING**

An excellent strain of Early Branching Aster, coming into bloom in July or early August. An excellent variety for cutting.

	Large Pkt.	Pkt.		Large Pkt.	Pkt.
White	\$.50	\$.10	Lavender	\$.50	\$.10
Rose Pink	.50	.10	Purple	.50	.10
Shell Pink	.50	.10	Mixed	.50	.10

One packet each of the five colors for 40c.

Yorktown Heights, N. Y., Sept. 8, 1917.

Gentlemen:—

Permit us again to add our praise to Michell's Pink Superb Aster; they bloom profusely and the flowers are immense, measuring from four to five inches in diameter, and of a beautiful shade of pink.

Very truly yours,

W. E. V.



Cardinal Climber

**THE CARDINAL CLIMBER**

(Ipomoea Quamoclit Hybrida)

A distinct and valuable novelty and one of the most beautiful climbers. A strong and very rapid grower and free bloomer; the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Leaves dark green, fern-like and deeply lacinated; bears a great profusion of fiery, cardinal red flowers, which are about 1½ inches in diameter. It delights in a warm, sunny situation and good soil. In order to have good germination of the seed a small notch should be filed or cut in each seed. Per pkt., 15c.; 65c. per large pkt.

**Special Offer:** One packet each, Aster, Pink Superb; Aster, Early Royal Mixed; Cardinal Climber and Morning Glory for 50c.



Double Morning Glory, Snow Fairy



Celosia—Pride of Castle Gould

**CELOSIA PLUMOSA  
PRIDE OF CASTLE GOULD**

This variety excels all other varieties of this class; plants grow compact and pyramidal, about 2 to 3 feet high, producing immense flower heads, that closely resemble ostrich plumes. Colors are blood red, carmine, yellow, orange, golden, orange scarlet, etc., in mixture. Per pkt., 15c.; 40c. per large pkt.



Dimorphotheca—Aurantiaca Hybrida

**DIMORPHOTHECA AURANTIACA  
NEW HYBRIDS, MIXED**

An extremely showy annual; the plants are of branching habit, growing 12 to 15 inches high and flowering profusely; its Marguerite-like blossoms are 2½ to 2¾ inches in diameter. These hybrids vary in color from white to red, and tints of sulphur, lemon and golden yellow, orange salmon, etc. Per pkt., 10c.; 40c. per large pkt.

**CHINESE WOOLFLOWER (Celosia Childsi)**

Plants grow about 2½ feet high, and branch freely, each shoot bearing beautiful, ball-shaped scarlet flowers resembling silky wool. It flowers profusely during summer and fall until frost destroys them. Per pkt., 15c.; 50c. per large pkt.



New Double Cosmos

**NEW DOUBLE COSMOS**

A Most Striking and Valuable Novelty

An entirely new race of this popular flower; the plants are similar in habit to the late flowering strain. A large percentage of the flowers have double crowns, which give the flowers a very dainty and exquisite appearance, the few singles that are produced are extra fine.

	Large Pkt.	Pkt.
Double Pink Beauty .....	\$.50	\$.15
Double White Queen .....	.50	.15
Double Red Beauty .....	.50	.15



Special Offer: One package each of the 6 varieties of Novel-  
ties and Specialties on this page for 75c.



Lobelia—Sapphire

**LOBELIA HYBRIDA**  
"SAPPHIRE"

Great attention has been given of late years to the floral decoration of balconies and window fronts, and in addition to Petunias, Ivy-leaved Geraniums, etc., used for this purpose, trailing Lobelias are also coming into demand. This new variety is of remarkably strong growth; the flowers are unusually large for a Lobelia, measuring three-quarter inch across, and are thickly set on the long graceful sprays of foliage; color of flowers, intense deep blue with large, clearly defined white eye. A well-grown plant covered with these lovely blue oculate flowers makes a splendid sight. Per pkt., 20c.; 50c. per large pkt.



Petunia—Michell's Monstrosus

**LARGE FLOWERING PETUNIA**  
"MICHELL'S 'MONSTROSUS'"

A great acquisition to the list of Large Flowering Petunias, surpassing the well-known Giants of California. The flowers are extremely large, quite a number of which are elegantly fringed; the colorings, markings, veinings, blotches, etc., are superb; many of them having deep throats of various shades. Per pkt., 25c.; 75c. per large pkt.

**DWARF LARGE-FLOWERING FRINGED**  
**PETUNIA**

The demand for really good dwarf, compact-growing Petunias has been met after years of careful selection in this excellent dwarf strain, with large fringed flowers. The plants grow only 8 inches high, and while branching freely from the base, they remain quite compact. The individual plants make handsome bushes, on which the numerous flowers, borne well above the foliage, appear in all the colors common to Petunias. Per pkt., 30c.; 80c. per 3 pkts.

**NEW GIANT FRINGED PRIMROSE**

(*Primula Sinensis Fimbriata*)  
"PINK PEARL"

A handsome addition to the Giant class of Primulas. Flowers of immense size and substance, and of a charming shade of brilliant rose, relieved by a delicate greenish yellow eye; the fringed petals are well overlapped and slightly undulated. The trusses are displayed well above the foliage, which is of a pleasing tint. Per pkt., 40c.; 75c. per 2 pkts.

**LARGE FLOWERING DWARF PETUNIA**  
"IDEAL"

A magnificent new dwarf strain of large flowered Petunia. The plants, which are of strong, robust growth, are 12 to 15 inches in height, and produce enormous flowers, many of which measure 6 inches across, and of varied and exquisite coloring. An ideal pot plant. Per pkt., 40c.; 75c. per 2 pkts.

**Special Offer:** One package each of the Novelties and Specialties on this page for \$1.40.



Petunia—Dwarf Large Flowering Fringed



*Primula Malacoides Superba*

**PRIMULA, Malacoides Superba**

A new and improved variety of the *Primula Malacoides* which has become so popular within the last two or three years; the flowers of this new variety are larger and deeper in color, being a deep rosy pink. A first-class plant for greenhouse decoration during the winter. Per pkt., 25c.; 65c. per 3 pkts.

**NEW SALVIA (Scarlet Sage)**

**OSTRICH PLUME**

A new variety of this most popular flower. The habit of the plant is similar to the well-known *Splendens* variety; the spikes of flowers, which are large and borne in great profusion, resemble a plume, and are of the brightest scarlet. Per pkt., 25c.; 65c. per large pkt.

**SCHIZANTHUS—PINK BEAUTY**

The flowers of this new variety are of an exquisite shade of rose pink, a pure self without any marking or shading whatever, a distinct advance upon anything of this color yet known in *Schizanthus*. As pot plants they are very effective for grouping, and a charming subject when cut for table decoration, the flowers being of good substance, lasting well, and being equally effective either in natural or artificial light. Per pkt., 50c.; \$1.40 per 3 pkts.

**NEW RED SUNFLOWER (*Helianthus*)**

A new and brilliant variety of the annual Sunflower, growing from 4 to 8 feet high. The plants are of branching habit and produce from July to September a profusion of well-shaped flowers, varying in size from a few inches to nearly a foot in diameter. Some of the plants produce flowers of a rich chestnut-red color, others tipped with yellow, and others slightly washed with red. A hedge or border of this variety is especially interesting and attractive. Per pkt., 10c.; 25c. per large pkt.

**VERBENA—"HELEN WILLMOTT"**

After many years of constant selection, seed of this Verbena has at last been saved in sufficient quantity to be offered for sale. A large percentage of the flowers are of the true "Helen Willmott" color, a pretty bright salmon rose, with white eye. Per pkt., 20c.; 65c. per large pkt.



**NEW SALVIA-AMERICA  
(Scarlet Sage)**

A new variety of this popular flower; of dwarf, bushy, compact growth, and very uniform in height and shape. A free and continuous bloomer, and produces large spikes of brilliant scarlet flowers. We consider this variety an improvement over any other dwarf *Salvia*. Per pkt., 25c.; 65c. per large pkt.; per 1/4 oz., \$4.00.

**ASK FOR CULTURAL LEAFLET NO. 210 ON THE GROWING OF SALVIA.**

**Special Offer:** One packet each of the Novelties and Specialties on this page for \$1.40.



**New Red Sunflower**

# MICHELL'S NEW SPENCER OR ORCHID FLOWERED SWEET PEAS 61

FOR GENERAL LIST AND SPECIAL MIXTURE, SEE PAGE 94

**Henrietta** A new variety originating with a California Sweet Pea grower, and whose description of same we quote as follows: "Another charming novelty that we have been working on for over five years, but have been unable to get sufficient seed to offer same until this season. We are happy this year to have enough seed to offer to our customers. The color of this charming variety is a beautiful clear light pink on a cream ground. The great attractive beauty of the flower, however, is its enormous size and frilled appearance, owing to the extent of the duplexing. Many of the visitors to our trial grounds remarked that the flowers were more like Pink Roses than Sweet Peas. For dainty table decorations, corsage bouquets or exhibition it will be hard to beat Henrietta." Per pkt., 25c.; 65c. per 3 pkts.; per oz., \$2.50.

**Scintillator** This is another new variety and as stated regarding the Henrietta we are quoting from the originator's description: "We are glad to be able to offer our customers this charming novelty. This variety gained an Award of Merit at the Exposition, San Francisco, in 1915 from the American Sweet Pea Society. We are more impressed than ever with the merits of 'Scintillator,' and feel sure it will be a favorite where well grown. The ground color is cream, very daintily striped, and flaked orange rose pink. The color is a little deeper on the standard than on the wings and the keel is also lightly striped. In sunlight and under artificial light the effect is truly beautiful. The flowers are of great size, the standard bold, expands well and prettily waved. A pleasant surprise awaits all who grow 'Scintillator.'" Per pkt., 25c.; 65c. per 3 pkts.; per oz., \$2.50.

**Fiery Cross** "Fiery Cross" is a most appropriate name for a most unusual novelty. "Fiery Cross" has all the appearance of live fire, the color being a scorching fire-red, or scarlet, without any shading and which scintillates and glitters in bright sunlight, thus adding a glowing, fire-like sheen which radiates over the flower. Unlike most of the orange-scarlet varieties, it does not scorch or burn even during extended periods of intense sunshine; therefore it can be grown in all soils without shading. The beautifully waved and fluted flowers are borne freely in threes and fours, well placed on long stout stems. Per pkt., 15c.; 25c. per 2 pkts.

**The President** This will compete with "Fiery Cross" as a charming novelty of the year. It is wonderfully brilliant; in fact, it might be termed a glowing scarlet self. The flowers are of large size, carried on strong, stiff stems, usually in fours, always beautifully waved even when well expanded, and most harmoniously placed. It has been termed "the brightest color we have in sweet peas" and does not burn; it probably will never be surpassed in the orange-scarlet section. Per pkt., 15c.; 25c. per 2 pkts.; per oz., \$2.50.

**Illuminator** The most charming color, or rather combination of colors, yet seen in Sweet Peas, and very difficult to describe. The name conveys in part one of the charms of this beautiful variety, as the warm salmon-orange ground color of the flower scintillates through the rich, bright cerise-pink and illuminates the flower delightfully. Illuminator is of strong, vigorous growth and blooms most profusely. The flowers, well placed upon long, stout stems, are uniformly of great substance, the standard being bold, expanded and attractively waved. Per pkt., 10c.; 50c. per oz.; per ¼ lb., \$1.50; \$5.00 per lb.

**King White** A "perfect" white Spencer Sweet Pea, and much superior in form, size and substance to all others of this color. Whereas the petals of other white Spencers are thin and the standards generally inclined to reflex, King White has a substance to spare, while the standards are of immense size, bold expanded form, yet exquisitely waved. It is an extremely vigorous grower, very floriferous and gives a large proportion of four-flowered sprays. Per pkt., 10c.; 40c. per oz.; per ¼ lb., \$1.25; \$4.00 per lb.



New Spencer Sweet Pea—Henrietta

**Margaret Atlee** One of the largest and finest Sweet Peas yet introduced. The flowers are of immense size, often measuring two and one-half inches across the standard, exquisitely waved and freely produced in "fours" on long, stout stems; color, a rich glowing pink on cream ground, softly suffused with salmon in the standard, while the wings are a pleasing shade of pinkish rose and salmon. Per pkt., 10c.; 50c. per oz.; per ¼ lb., \$1.50; \$5.00 per lb.

**Wedgwood** This new variety is appropriately named, as its color throughout is a unique shade of Wedgwood blue,—a color so popular in China and destined now to become almost equally famous in this distinct new Sweet Pea. Wedgwood produces profusely flowers of good size, borne almost uniformly in four-flowered sprays, well placed upon long stout stems. Of finest Spencer form, the standard and wings are well waved. Per pkt., 10c.; 50c. per oz.; per ¼ lb., \$1.50; \$5.00 per lb.

**SPECIAL OFFER.**—One packet each of the 8 varieties of New Spencer Sweet Peas offered on this page for \$1.00.

# MICHELL'S "DISTINCTIVE" FRESH TESTED FLOWER SEEDS

Our flower seeds have a reputation for their *superior quality* and for the *excellent results* obtained by sowing them. It is our constant endeavor to supply only such *varieties and strains* that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following brief explanation:

**Annuals.** These grow and bloom, mature their seed and then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., some of which may be sown in the house from March to May, or outdoors after danger from frost is over.

**Biennials.** These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

**Perennials.** Those which live from year to year, such as Aquilegia, Delphinium, Foxgloves, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

**A COMPLETE INDEX OF FLOWER SEEDS WILL BE FOUND ON PAGES TWO AND THREE OF CATALOG. FOR NOVELTIES, SEE PAGES 56 TO 61.**

## ABUTILON (Chinese Bell Flower)

**Choice Mixed.** Used extensively for ornamental bedding, also valuable for flowering indoors during the winter; seed should be started in heat from January till March; foliage is of maple form and has variegated coloring; flowers bell-shaped; height, 3 feet ..... \$0.50 \$0.10

## ACHILLEA (Milfoil or Yarrow)

**Ptarmica, Fl. Pl., "The Pearl."** Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; flowering the first season if seed is sown early; 2 feet..... .50 .10

## ACONITUM (Monk's Head or Helmet Flower)

Hardly perennial, thriving best in semi-shady situations; curious hood-shaped flowers in clusters; height, 4 feet; August-September.

**Napellus, Blue** ..... Large Pkt. Pkt.  
\$0.25 \$0.05

## ACROCLINIUM (Everlasting Flower)

Showy, free-flowering annual plants; the flowers should be picked before they expand and hung with the tops downward to dry; 1 foot.

**Double Rose Pink** ..... Large Pkt. Pkt.  
\$0.30 \$0.05  
" **White** ..... .30 .05  
" **Mixed** ..... .15 .05  
**Single Mixed** ..... .15 .05

## ADLUMIA (Mountain Fringe or Allegheny Vine)

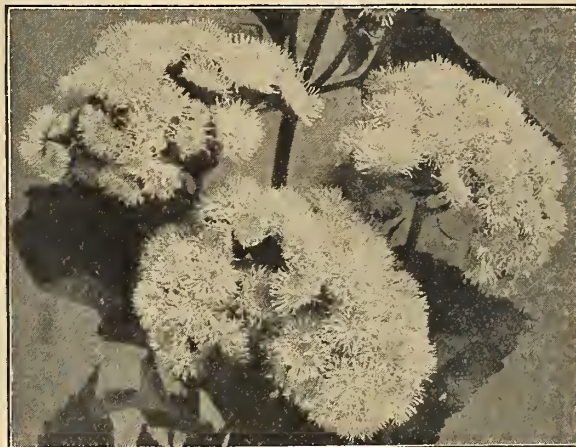
**Cirrhosa.** A charming hardy biennial climber, blooming the first season; delicate, feathery foliage, rose-colored flowers; 15 feet..... .50 .10

## ADONIS

**Vernalis (Ox Eye).** One of the choicest spring flowering perennial plants; finely cut, ornamental foliage, yellow flowers; 1 foot..... .30 .05

## AGROSTEMMA

**Coronaria (Mullein Pink).** Stout erect growing plants with silvery foliage and bright crimson flowers; hardy perennial; 2½ to 3 feet; July and August ..... .15 .05



Ageratum, Blue Perfection

## AGERATUM (Floss Flower)

An excellent plant for edging or solid effects. For early bloom sow indoors from March till May; sown outdoors in May will flower in August. A continuous bloomer.

**Blue Perfection.** Large heads of deep blue flowers produced in abundance; 15 inches..... \$0.20 \$0.10  
**Little Blue Star.** Exceedingly dwarf and pretty; plants densely covered with bright blue flowers; height, 5 inches..... .50 .15  
**Imperial Dwarf Blue.** A compact growing plant; height, 9 inches ..... .15 .05  
**Imperial Dwarf White** ..... .15 .05  
**Imperial Dwarf Mixed** ..... .15 .05  
**Cope's Pet.** Azure blue, 6 inches..... .20 .10  
**Princess Victoria Louise.** Light blue, white eye.. .20 .10  
**Grandiflorum Album.** Extreme large flowers of purest white; height, 1 foot..... .20 .10





Sweet Alyssum

**ALYSSUM**

One of the most popular garden flowers; remaining in bloom the entire season; used for edging or in rockeries or vases.

	Large pkt.	Pkt.
<b>Little Gem.</b> Dwarf compact plants, densely covered with large white flowers; height, 4 inches. .oz., 75c.	\$0.20	\$0.05
<b>Little Dorritt.</b> Extremely dwarf and compact, forming perfect little bushes with miniature white flowers; ideal for narrow edges . . . . .oz., \$1.00	.20	.05
<b>Lilac Queen.</b> Of dwarf compact growth, with flowers of a pure lilac color; 4 inches. . . . .	.40	.10
<b>Lutescens (New).</b> Of dwarf, compact habit, with yellow flowers; annual; 4 inches . . . . .	.40	.10
<b>Sweet.</b> The popular old-fashioned sort, the best for broad edges and vases. Pure white; height, 6 inches .oz., 25c.	.15	.05
<b>Saxatile Compactum (Basket of Gold).</b> An ideal hardy perennial plant, flowering in May; showy golden yellow flowers; blooms the first season if sown early indoors; 1 foot. . . . .oz., 75c.	.15	.05

**AMARANTHUS**

Decorative foliage plants, easily raised from seed, either by starting them early indoors or sown outdoors in May.

	Large pkt.	Pkt.
<b>Caudatus (Love Lies Bleeding).</b> Drooping crimson racemes . . . . .	\$0.15	\$0.05
<b>Cruentus (Prince's Feather).</b> Dark red. . . . .	.15	.05
<b>Sunrise.</b> Bronze crimson foliage, shading off to bright scarlet leaves toward top of stalks. . . . .	.20	.10
<b>Tricolor Splendens (Joseph's Coat).</b> Leaves red, yellow and green . . . . .	.20	.05
<b>Mixed.</b> All sorts . . . . .	.15	.05

**AMPELOPSIS**

(Boston or Japanese Ivy)

<b>Veitchi.</b> A hardy perennial climber with olive-green leaves, which turn to scarlet in the autumn. The best hardy vine for covering brick or stone buildings or walls . . . . .oz., 40c.	.15	.10
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**ANCHUSA**

(Sea Bugloss)

<b>Italica "Dropmore."</b> A strong growing hardy perennial plant, 4 feet high, with beautiful flowers of a lovely gentian blue . . . . .	.40	.15
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**ANEMONE**

(Wind Flower)

A dainty spring flower with bright cup-shaped blossoms; splendid for cutting; perennial.

	Large pkt.	Pkt.
<b>Coronaria Mixed.</b> All colors; 1 foot. . . . .	\$0.20	\$0.05
<b>St. Bridgid, or Poppy.</b> Flowers large, semi-double and double; 1 foot . . . . .	.40	.15

**ANTHEMIS**

(Hardy Marguerite)

<b>Tinctoria Kelwayi.</b> A handsome hardy perennial, bearing all summer, daisy-like bright yellow flowers; 2 feet . . . . .	.25	.10
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**ANTIRRHINUM**

(Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early sow indoors during February or March, but even if sown outdoors in May it will flower profusely in September.

**MICHELL'S GIANT ANTIRRHINUMS**

This strain produces stout heavy spikes, 2 to 3 feet in length, dressed with giant flowers of the purest colors.

	Large pkt.	Pkt.
<b>Micell's Giant Salmon Pink.</b> A valuable addition to this popular flower; long spikes of a delicate salmon pink color . . . . .	\$0.50	\$0.15
<b>Silver Pink.</b> A fine variety; long spikes and a profuse bloomer. Original pkt., \$1.00.		
<b>Giant Garnet</b> . . . . .	.25	.10
<b>Giant Pink</b> . . . . .	.25	.10
<b>Giant Scarlet</b> . . . . .	.25	.10
<b>Giant Striped</b> . . . . .	.25	.10
<b>Giant White</b> . . . . .	.25	.10
<b>Giant Yellow</b> . . . . .	.25	.10
One pkt. each of the above six colors, 50c.		
<b>Giant Mixed</b> . . . . .	.20	.10
<b>Giant Venus.</b> Shell pink on white ground. . . . .	.40	.15

**Tall Mixed.** A fine selection. Pkt., 5c.; 15c. large pkt.; oz., 60c.

**Imported Collection, 12 Tall Varieties.** 50c.

**SEMI-DWARF ANTIRRHINUMS**

The plants grow but 18 in. high, but have extreme large flowers over most part of the stem.

**Captivation.** Rich chamois, shaded pink. Pkt., 25c.; 65c. per 3 pkts.

**Daphne.** Carmine pink, white throat. Pkt., 10c.; 25c. large pkt.

**Defiance.** Fiery scarlet. Pkt., 10c.; 25c. large pkt.

**Golden Beauty.** Golden yellow. Pkt., 25c.; 65c. per 3 pkts.

**Golden Queen.** Golden yellow, giant flowers. Pkt., 10c.; 25c. large pkt.

**Mauve Beauty.** Rosy mauve. Pkt., 30c.; 80c. per 3 pkts.

**Nelrose.** Pkt., 25c.; 50c. large pkt.

**Pink Gem.** Rose pink. Pkt., 25c.; 65c. per 3 pkts.

**Queen of the North.** Of purest white. Pkt., 10c.; 25c. large pkt.

**Spitfire.** Orange scarlet. Pkt., 25c.; 65c. per 3 pkts.

**The Bride.** Pure white. Pkt., 10c.; 30c. large pkt.

**Mixed.** All colors. Pkt., 10c.; 20c. large pkt.

**Imported Collection, 12 Semi-Dwarf Varieties.** 50c.

**DWARF ANTIRRHINUMS**

The Dwarf or Tom Thumb varieties are excellent for bedding; also for edges. Height, 12 inches.

**Tom Thumb Mixed.** All colors. Pkt., 10c.; 25c. large pkt.



MICHELL

Giant Antirrhinum (Snapdragon)

Ask for Cultural Leaflet No. 201 on the growing of Antirrhinums



Aquilegia (Columbine) Long Spurred

**ARGEMONE** (Mexican or Prickly Poppy)  
**Hybrida Grandiflora.** Easily grown showy annuals; branching plants about 3 feet high, with large single Poppy-like flowers, in various shades from rich yellow to creamy white. Pkt., 10c.; 20c. per large pkt.

**ARMERIA** (Sea Pink or Thrift)  
**Formosa.** A pretty hardy perennial for edgings; blooming all summer; rosy pink flowers; 9 inches. Pkt., 10c.; 30c. per large pkt.

**ARTEMISIA**  
**Sacrorum Viridis** (Summer Fir). A new ornamental foliage plant from China; pyramidal bushes 3 to 5 feet high; may be grown in groups and borders; also pretty as a pot plant; foliage fine and of a rich dark green. Per pkt., 15c.; 30c. per large pkt.  
**Arundo** (Ornamental Grass). See pg. 79.

See Page 127 for  
**AQUILEGIA PLANTS**



Artemisia, Sacrorum Viridis

**AQUILEGIAS OR COLUMBINES**

These are among the most beautiful of spring and early summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the foliage. Seed sown early in the spring will in most cases produce plants that will bloom the same season.

	Large Pkt.	Pkt.
<b>Long Spurred Hybrids.</b> Flowers of many rich and varied colors, with long spurs.....	\$0.40	\$0.10
<b>Canadensis.</b> Scarlet and yellow.....	.40	.05
<b>Chrysantha.</b> Bright golden yellow.....	.50	.10
<b>Chrysantha Alba.</b> Purest white.....	.50	.10
<b>Californica Hybrida.</b> Mixed colors; long spurs....	.40	.10
<b>Coerulea</b> (Rocky Mountain Columbine). Large flowers, violet, blue and white.....	.40	.10
<b>Haylodgensis Delicatissima.</b> Satiny rose.....	.50	.20
<b>Nivea Grandiflora.</b> Pure white.....	.15	.05
<b>Rose Queen.</b> Pink, white centre.....	.50	.15
<b>Single Mixed</b> .....oz., 50c.	.15	.05
<b>Double Mixed</b> .....oz., 50c.	.15	.05

**ARABIS** (Rock Cress)

**Alpina.** Early spring flowering plants especially adapted for edging and rockery; plants form a dense carpet completely covered with pure white blossoms; perennial; May; 6 inches.....
 .15 | .05 |

**ARCTOTIS** (African Daisy)

**Grandis.** Bushy annual plants, producing the entire season, on long stems, large daisy-like flowers, pure white on the upper surface, the reverse side of petals lilac-blue; 2 feet.....
 .20 | .10 |

**ASPARAGUS**

100 Seeds. Pkt.

**Hatcheri.** Of dense and symmetrical growth; dainty fern-like fronds set close together along the stalk; valuable for decorative use, also for specimen pot plants.....\$1.25 \$0.25

**Plumosus Nanus.** An excellent plant for house or conservatory decoration or cutting on account of its graceful, finely cut foliage; will remain fresh a long time after being cut..... 1.00 .25

**Sprengeri.** One of the best plants to grow in hanging baskets or window boxes for the greenhouse in winter or for outdoors in the summer..... .50 .10

**ASPERULA** (Woodruff)

Large Pkt. Pkt

**Odorata.** Dwarf spring flowers of purest white, thrives in shady situations; perennial; 1 ft.; May. \$0.30 \$0.05



Arctotis Grandis

GLADSTONE, MICH.

GENTLEMEN:—Inclosed find money order to cover the above order of seeds. Your flower seeds were received and planted and are now potted up and growing vigorously; it is a great satisfaction to have such perfect seed.

Yours truly, F. K.

# MICHELL'S SUPERB ASTERS

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July till September this flower reigns supreme in the garden, not equaled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. Many of the strains we offer are grown under our own supervision by specialists in this country. To have early flowers sow the seed in the house from March till May; otherwise sow outdoors after danger from frost has passed. To do well Asters require a well-pulverized soil, always kept open by continuous cultivation.



New Astermum

## ASTERMUM

A new and valuable variety of Aster, coming into bloom in mid-season; plants grow straight up with strong, sturdy stems, starting near the base, and owing to the symmetry of the plant, they may be set more closely than other varieties. Each plant yields from ten to fifteen blooms, which last a long while after being cut.

		Large Pkt.	Pkt.
Lavender	1/4 oz.,	\$1.00	\$0.50 \$0.15
Rose Pink	1/4 oz.,	1.00	.50 .15
White	1/4 oz.,	1.00	.50 .15
Mixed	1/4 oz.,	1.00	.50 .15

## MICHELL'S INVINCIBLE ASTER

Healthy, robust plants of branching growth, producing on 2-foot long stems massive paeony-formed flowers, which are always perfectly double. These Asters are wonderfully prolific and continuous bloomers from summer until frost.

	Oz.	Large Pkt.	Pkt.
Crimson	\$2.25	\$0.40	\$0.10
Blue	2.25	.40	.10
Lavender	2.25	.40	.10
Rose Pink	2.25	.40	.10
White	2.25	.40	.10
Mixed. All colors	2.00	.40	.10
Collection, one packet each of above 5 colors.....			.40

See pages 66 and 67 for other valuable varieties of Asters.

## NEW ASTER MICHELL'S PINK SUPERB

This new and valuable variety of Aster is really "Superb" in every sense of the word. The flowers are of immense size, petals long and broad, those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful shade of pink. One of the admirable features of this new variety is the exceedingly long stems, making it a valuable sort for cutting. Per pkt., 25c.; 65c. per large pkt.; per 1/4 oz., \$1.50.

## LADY ROOSEVELT ASTER

The flowers resemble huge incurved Chrysanthemums; the color is a gorgeous pink, of marvelous beauty. The robust plants produce stout stems, crowned with gigantic flowers. The seed we offer is selected from original specimens and then reselected, and we feel sure will give absolute satisfaction. Per pkt., 15c.; 65c. per large pkt.; 1/4 oz., \$1.50.

## PEERLESS PINK ASTER

This is one of the finest of the late branching types, but comes into bloom a little earlier. The plants are of robust habit, and produce on long stems large and perfectly double flowers of a beautiful shell pink, very similar in shade to the Mary Semple variety. Per pkt., 15c.; 50c. per large pkt.; per oz., \$3.00.

Yorktown Heights, N. Y.  
Gentlemen:—Michell's Pink Superb Aster is in all respects a valuable acquisition. The plants are extra strong growers, one plant covering a space of two and one-half feet square, and the beautiful pink flowers are of extraordinary size. It gives me pleasure to testify to the merits of this Aster.  
Yours truly,  
W. E. V.



Aster-Invincible

# MICHELL'S SUPERB ASTERS



Aster—Michell's Improved Semple's Branching

## MICHELL'S IMPROVED SEMPLE'S BRANCHING ASTER

This is the finest late blooming Aster. The deep, heavy incurved flowers are borne on rigid stems often 2 feet and more in length. Our Improved Strain has been secured after many years of careful selection. The colors are clear and attractive, which, with the long stems, make it one of the most valuable varieties for cutting. We have received numerous testimonials on the quality of this Aster.

	Oz.	Large Pkt.	Pkt.
White .....	\$1.75	\$0.40	\$0.10
Shell Pink .....	1.75	.40	.10
Lavender .....	1.75	.40	.10
Rose Pink .....	1.75	.40	.10
Purple .....	1.75	.40	.10
Crimson .....	1.75	.40	.10
Choice Mixed .....	1.50	.40	.10
Collection, one packet each of above 6 colors.....			.50

## NEW CREGO ASTER

Our illustration can do but partial justice to this grand flower. The twisted and curled petals give the flower the appearance of a huge flat chrysanthemum. The flowers are very large, often measuring 5 inches in diameter. The strong, erect stems average 20 to 24 inches in length. Though the flowers are large they are produced in abundance.

	Oz.	Large Pkt.	Pkt.
White .....	\$2.25	\$0.40	\$0.10
Shell Pink .....	2.25	.40	.10
Rose Pink .....	2.25	.40	.10
Azure Blue .....	2.25	.40	.10
Lavender .....	2.25	.40	.10
Purple .....	2.25	.40	.10
Mixed .....	2.00	.40	.10
Collection, one packet each of above 6 colors.....			.50

Ask for Cultural Leaflet No. 202 on the Growing of Asters.

## QUEEN OF THE MARKET ASTER

Very desirable on account of its earliness and the freedom in which it flowers. Well-formed flowers are produced on 12-inch stems in the greatest profusion early in July.

	Oz.	Large Pkt.	Pkt.
White .....	\$1.75	\$0.30	\$0.10
Blush Pink .....	1.75	.30	.10
Rose Pink .....	1.75	.30	.10
Light Blue .....	1.75	.30	.10
Dark Blue .....	1.75	.30	.10
Crimson .....	1.75	.30	.10
Choice Mixed .....	1.50	.25	.10
Collection, one packet each of above 6 colors....			.50

## PAEONY-FLOWERED PRIZE ASTER (Truffaut's)

Perfectly shaped flowers, each petal regularly incurved to meet at the centre, carried straight on stems 18 inches high.

	Oz.	Large Pkt.	Pkt.
White .....	\$2.25	\$0.40	\$0.10
Pink .....	2.25	.40	.10
Light Blue .....	2.25	.40	.10
Purple Violet .....	2.25	.40	.10
Crimson .....	2.25	.40	.10
Choicest Mixed .....	2.00	.40	.10
Collection, one pkt. each of above 5 colors.....			.40

## GIANT COMET ASTER

A flower of exquisite form, similar to the Hohenzollern and resembling Japanese Chrysanthemums; petals are curled downward at the tips and resemble ostrich feathers.

	Oz.	Large Pkt.	Pkt.
White .....	\$2.25	\$0.40	\$0.10
Peach Blossom .....	2.25	.40	.10
Pink and White .....	2.25	.40	.10
Light Blue .....	2.25	.40	.10
Dark Blue .....	2.25	.40	.10
Crimson .....	2.25	.40	.10
Choice Mixed .....	2.00	.40	.10
Collection, one pkt. each of above 6 colors.....			.50

## ASTER, AMERICAN BEAUTY

A new variety of the Late Branching type; long stems, with immense perfectly double flowers; color, bright carmine rose. For illustration and full description see page 56. Per pkt., 15c.; 65c. per large pkt.



Crego Aster

# MICHELL'S SUPERB ASTERS



Aster, Early Royal Branching

## ASTER, EARLY ROYAL BRANCHING

An excellent strain of Early Branching Aster, of the same form and having the same good qualities as the Late Branching variety, coming into bloom in July or early August. An excellent variety for cutting.

	Oz.	Large Pkt.	Pkt.
White .....	\$3.00	\$0.50	\$0.10
Rose Pink .....	3.00	.50	.10
Shell Pink .....	3.00	.50	.10
Lavender .....	3.00	.50	.10
Purple .....	3.00	.50	.10
Mixed .....	3.00	.50	.10
Collection, one packet each of above 5 colors.....			.40

## EARLY WONDER ASTER

The earliest variety in cultivation, coming into bloom several days before "Queen of the Market." The form is that of "Giant Comet" type; the flowers are large and very double; stems average 18 inches in length.

	Oz.	Large Pkt.	Pkt.
White .....	\$3.00	\$0.50	\$0.10
Pink .....	3.00	.50	.10

## ASTERS OF THE "DAYBREAK" TYPE

The Daybreak class forms strong plants of symmetrical growth; flowers perfectly double and carried on long, erect stems, seldom less than 18 inches in length.

	Oz.	Large Pkt.	Pkt.
Michell's Purity (White Daybreak). Very free flowering; plants are literally one mass of snow-white flowers .....	\$3.00	\$0.50	\$0.10
Pink Daybreak. Flowers large, double and of a delicate pink .....	3.00	.50	.10
Lavender Daybreak. Large flowers of a beautiful shade of lavender .....	3.00	.50	.15
Lemon Drop (Yellow Daybreak). Flowers perfect and of a decided yellow color.....	3.25	.50	.15
Salmon Daybreak. A splendid addition to the Daybreak class; the color is not only novel, but of a very pleasing shade.....	3.25	.50	.15
Collection, one packet each of above 5 colors.....			.50

## IMPROVED VICTORIA ASTER

A compact upright growing plant with stout stems and deep, full flowers of large size; height, 18 inches.

	Oz.	Large Pkt.	Pkt.
White .....	\$3.00	\$0.40	\$0.10
Pink .....	3.00	.40	.10
Light Blue .....	3.00	.40	.10
Purple .....	3.00	.40	.10
Scarlet .....	3.00	.40	.10
Choice Mixed .....	2.50	.40	.10
Collection, one packet each of above 5 colors.....			.40

## KING ASTERS

A distinct type; the flowers are of large size and good substance, and with long narrow petals, which are more or less quilled, forming a very attractive flower.

	Oz.	Large Pkt.	Pkt.
Pink King. Delicate shell pink.....	\$2.25	\$0.40	\$0.15
Rose King. Beautiful, bright rose.....	2.25	.40	.15
Violet King. A soft shade of violet.....	2.50	.40	.10
White King. Large pure white.....	3.00	.50	.15
Collection, one packet each of above 4 colors.....			.50

## ASTERS—Miscellaneous Sorts

	Oz.	Large Pkt.	Pkt.
Enchantress Pink. Of vigorous, branching habit, with long stems; the beautiful, large double flowers have the delicate pink shade of the Enchantress Carnation.....	\$3.00	\$0.50	\$0.15
Lavender Gem. A beautiful variety of the Comet type, with large, perfectly double flowers of a delicate shade of lavender; 2 feet .....	3.25	.50	.15
Mikado Pink or Rochester. Plants of branching habit, and produce flowers of immense size, with long narrow, gracefully reflexed petals. Color, shell pink.....	2.25	.40	.10
Pink Beauty. An excellent variety of the chrysanthemum flowered type; strong, upright growth, producing an abundance of immense double flowers; inner petals incurved, outer reflexed. Color, a soft, delicate blush pink .....	3.25	.50	.15
Red Sensation. Plants are of branching habit, about 18 inches high, flowers perfectly double; color, rich garnet or ox-blood red. A very attractive variety.....	3.25	.50	.15
China or German Mixed. This mixture contains many different sorts and colors.....	.75	.20	.05

## PERENNIAL ASTER (Michaelmas Daisy)

	Large Pkt.	Pkt.
Choice Mixed. One of the showiest of our late flowering, perennial plants; star-like, single flowers; if sown early in spring will flower the first season; 2 feet .....	\$0.30	\$0.10

## AURICULA (Primula Auricula)

	Large Pkt.	Pkt.
Choice Mixed. These early flowering perennial plants resemble primroses and have multi-colored flowers in great variety; 1 foot; May.....	\$0.50	\$0.10

## AVENA (Ornamental Grass) (See Page 79)



Violet King Aster

**DOUBLE BALSAM (Lady's Slipper)**

These old-fashioned flowers have been much improved, and what we offer are perfect in form and of the largest size. Give Balsams plenty of room and they will develop to immense plants with gorgeous flowers. They are of easy culture and will surely succeed almost anywhere; height, 2 feet.

	Oz.	Large Pkt.	Pkt.
Camellia Flowered, Pink	\$1.00	\$0.25	\$0.05
Camellia Flowered, Scarlet	1.00	.25	.05
Camellia Flowered, White Perfection	1.50	.30	.10
Camellia Flowered, Prince Bismarck. Rich salmon pink	1.50	.30	.10
Camellia Flowered, Choicest Mixed	.75	.20	.10
Fine Mixed	.50	.15	.05
Imported Collection of 6 Colors			.30

**BALLOON VINE (Love-in-a-Puff)**

A rapid growing annual climber, with white blossoms; seed pods look like miniature balloons.

Oz.	Pkt.
\$0.25	\$0.05

**BALSAM APPLE (Momordica)**

Remarkably handsome climbing annuals, bearing ornamental orange-colored fruit which when ripe opens, showing a brilliant crimson interior.

Large Pkt.	Pkt.
\$0.15	\$0.05

**BAPTISIA (False Indigo)**

**Australis.** A strong growing perennial plant about 2 feet high, with dark green, deeply cut foliage and spikes of dark blue flowers in June and July.

Pkt.	Pkt.
.25	.05

**BARTONIA**

**Aurea.** A free blooming, showy annual plant with large golden yellow flowers; thrives well in partial shade; 18 inches

Pkt.	Pkt.
.15	.05



**Balsam—White Perfection**

**BEAN (Runner)**

A rapid climber, flowering profusely; grows 10 to 15 feet high. **Butterfly Runner.** A new and distinct variety; the flowers are of large size and borne in great profusion; color, pink and white. Oz., 15c.; pkt., 5c. **Scarlet.** Pint, 50c.; \$1.00 per qt.; pkt., 5c. **White.** Pint, 50c.; \$1.00 per qt.; pkt., 5c.



**Begonia, Gracilis Luminosa**

**BEGONIA (Semperflorens Type)**

The value of flowering Begonias as bedding plants has been fully established and the gorgeous effects they have produced have placed them in the front rank of bedding plants. Seeds sown in February or March under glass will produce nice plants for planting out in June.

	Large Pkt.	Pkt.
<b>Vernon.</b> Deep red flowers and bronzy-red foliage	\$0.30	\$0.10
<b>Anna Regina.</b> Rose-colored flowers	.65	.15
<b>Erfordia.</b> Delicate pink, one of the choicest	.40	.15
<b>Gromanii (New).</b> Flowers red; foliage, bronze green		.65
<b>Queen of Carpet Bedders.</b> Of compact dwarf growth; flowers deep red	.40	.15
<b>Salmon Queen.</b> Flowers brilliant salmon red; foliage dark green, with reddish hue	.65	.20
<b>Zulu King.</b> Blood red flowers and dark red leaves and stem	.65	.15
<b>Choice Mixed.</b> All sorts and varieties	.40	.10

**BEGONIA, GRACILIS**

This is undoubtedly the finest outdoor flowering Begonia; plants are literally covered with flowers throughout the summer; height, 1 foot.

	Large Pkt.	Pkt.
<b>Gracilis Luminosa.</b> Deep red	\$0.50	\$0.20
<b>Gracilis Prima Donna.</b> Rose, shading to carmine	.65	.20
<b>Gracilis Alba.</b> Pure white	.40	.15
<b>Gracilis Rosea.</b> Light pink	.40	.15

**BEGONIA, REX HYBRIDS**

Beautifully formed leaves with colored markings; a popular house plant; choice mixed.

	Large Pkt.	Pkt.
choice mixed	.65	.25

**BEGONIA, TUBEROUS ROOTED**

These magnificent flowers are becoming very popular because they are of easy culture and extremely showy; thrive best in semi-shady situations.

	Large Pkt.	Pkt.
<b>International Prize, Single.</b> The seed we offer is saved from the finest specimens and only the largest flowers		\$0.25
<b>Single Choice Mixed</b>	\$0.65	.15
<b>Double Choice Mixed</b>		.50

Ask for Cultural Leaflet No. 220 on the growing of Begonias from seed.

**BELLIS PERENNIS (See Daisy)**

**BOCCONIA (Plume Poppy)**

**Cordata.** A splendid hardy perennial, with glaucous green foliage and spikes 2 to 3 feet long of creamy white flowers; 5 feet

Large Pkt.	Pkt.
.20	.05



## BRACHYCOME (Swan River Daisy)

Large Pkt. Pkt.

**Iberidifolia.** A profuse flowering annual with small blue flowers resembling those of the Cineraria; 9 inches .....\$0.20 \$0.05

**BRIZA MAXIMA**—Ornamental Grass (See page 79)

**BROMUS**—Ornamental Grass (See page 79)

## BROWALLIA

One of our favorite bedding plants, producing beautiful flowers during the summer and autumn months; grows freely in any rich soil; blooms finely in the winter if the plants are lifted and cut back; 18 inches.

Large Pkt. Pkt.

**Eлата Coerulea.** Large sky-blue flowers .....\$0.20 \$0.05

**Speciosa Major.** Large-flowering variety of brilliant ultramarine blue; desirable as a pot plant for winter and early spring flowering ..... .50 .10

## CALENDULA (Pot Marigold)

Free flowering annuals of easy culture, continuing in bloom from early summer until killed by frost. They may also be successfully grown in pots indoors.

	Oz.	Large Pkt.	Pkt.
<b>Grandiflora.</b> Large orange-yellow .....	\$0.25	\$0.15	\$0.05
<b>Lemon King.</b> Lemon-yellow .....	.25	.15	.05
<b>Meteor.</b> Yellow striped with orange.....	.25	.15	.05
<b>Orange King.</b> Rich dark orange .....	.25	.15	.05
<b>Prince of Orange.</b> Dark orange striped..	.25	.15	.05
<b>Pure Gold.</b> Pure golden yellow .....	.25	.15	.05
<b>Sulphurea.</b> Beautiful sulphur yellow.....	.25	.15	.05
<b>Mixed</b> .....	.25	.15	.05

See pages 56 to 61 for valuable Novelties and Specialties in Flower Seeds.



Calendula—Pot Marigold



Calliopsis

## CALLIOPSIS (Coreopsis)

Free flowering plants blooming very early and continuing until frost. Showy and excellent for cutting.

	Oz.	Large Pkt.	Pkt.
<b>Golden Wave.</b> Large yellow flowers with dark brown centres .....	\$0.30	\$0.15	\$0.05
<b>Nigra Speciosa.</b> Rich crimson .....	.30	.15	.05
<b>Choice Mixed.</b> All varieties and colors.....	.25	.15	.05

## PERENNIAL VARIETIES

<b>Lanceolata Grandiflora.</b> Single golden yellow flowers of graceful form; invaluable for cutting; blooms the entire summer..	.50	.15	.10
<b>California Sunbeams.</b> Very large flowers beautifully formed; shades of yellow and brown .....		.20	.10

## CALCEOLARIA

An ornamental plant, and a universal favorite for decorating the greenhouse or conservatory; produces a mass of beautiful pocket-like flowers. Our strains of Calceolaria have a wide reputation as to large size, rich and varied colors of the flowers.

	Large Pkt.	Pkt.
<b>Hybrid Grandiflora, Tall Mixed.</b> Large flowering, rich, self-colored flowers saved from a choice collection; 18 inches .....	\$0.75	\$0.25
<b>Hybrida Grandiflora Pumila Compacta.</b> Of dwarf, compact robust growth, producing immense trusses of large and varied brilliant self-colored and spotted flowers; 1 foot .....	.75	.25
<b>James' Superb Strain.</b> A robust grower, producing very large and beautiful flowers; 18 inches.....	1.25	.50
<b>Sutton's Perfection.</b> Choicest mixed .....		1.25
<b>Rugosa Mixed (Shrubby).</b> Small flowering varieties for bedding; finest colors; 1 foot.....	1.25	.50



Canterbury Bell

**CAMPANULA MEDIA (Canterbury Bell)**

Showy, hardy biennial, growing about 3 feet high; of pyramidal form and covered with large bell-shaped flowers. Sow from June 1st till September 1st; when strong enough transplant to a distance of 6 inches apart; after frost has set in protect with leaves and straw.

	Oz.	Large Pkt.	Pkt.
Single Blue	\$.60	\$.15	\$.05
Single Pink	.60	.15	.05
Single White	.60	.15	.05
Single Mixed	.50	.15	.05
Double Mixed	1.25	.25	.05

**CAMPANULA CALYCANTHEMA**

(Cup and Saucer Canterbury Bells)

These produce beautiful, large single flowers, resembling a cup and saucer; they require the same treatment as above.

	Large Pkt.	Pkt.
White	\$.30	\$.10
Pink	.30	.10
Blue	.30	.10
Mixed	¼ oz., 60c.	.25 .10

**CAMPANULAS OR BELLFLOWERS**

PERENNIAL VARIETIES

These are among our best known hardy perennials; the tall varieties are fine for cutting, while the dwarf sorts make excellent border plants; all have dainty bell-shaped flowers. Large Pkt. Pkt.

<b>Carpatica, Blue (Carpathian Hare Bell).</b> Compact tufts not exceeding 8 inches; flowers clear blue, held erect; blooms in June and July	\$.20	\$.05
<b>Carpatica, Alba.</b> Pure white	.20	.05
<b>Persicifolia Grandiflora, Blue (Peach Bells).</b> Stately spikes, 4 feet tall with immense blue bell-shaped flowers	.40	.15
<b>Persicifolia Grandiflora, Alba.</b> Pure white	.40	.15
<b>Pyramidalis (Chimney Bellflower).</b> Perfect pyramids 6 feet high crowded with large bell-shaped flowers, blue and white mixed	.25	.05

**CANARY BIRD FLOWER**

One of the most charming annual climbers, bearing an abundance of bright yellow, fringed flowers. .oz., 30c. .15 .05

**CANDYTUFT (Iberis)**

Splendid edging plants, flowering within six weeks after sowing; height, 1 foot. They are excellent for cutting. Large Pkt. Pkt.

<b>Michell's Giant White.</b> The largest and finest white. From 10 to 12 immense spikes resembling Hyacinths appear on a single plant; fine for forcing. .oz., 60c.	\$.20	\$.10
<b>Empress.</b> An excellent variety with long trusses of pure white flowers	.oz., 40c.	.15 .10
<b>Pink</b>	.oz., 40c.	.15 .05
<b>Crimson</b>	.oz., 25c.	.15 .05
<b>Carmine.</b> Deep scarlet	.oz., 40c.	.15 .05
<b>Purple.</b> Deep rich purple	.oz., 30c.	.15 .05
<b>White Rocket.</b> Long spikes	.oz., 20c.	.05
<b>Little Prince.</b> Very dwarf and compact with pure white flowers; excellent for edging	.oz., 40c.	.15 .10
<b>Choice Mixed.</b> All colors	.oz., 20c.	.05
<b>Collection.</b> One packet each, 6 varieties		.25
<b>Sempervirens.</b> Dwarf spring flowering perennial plants; ideal for the bulb border; flowers of glistening white, May, 8 inches		.50 .10



Michell's Giant White Candytuft

**CANNA (Indian Shot)**

Although these are generally planted from roots, they may be grown with comparative ease from seed. Scrape or file the edge of seed and soak in warm water until they show signs of swelling, then sow in sandy loam and place in a hot bed.

	Oz.	Pkt.
<b>Crozy's Dwarf Mixed.</b> From the finest sorts	\$.25	\$.05
<b>Dr. E. Ackernecht.</b> Deep carmine	.50	.10
<b>Eureka.</b> Creamy white	.50	.10
<b>Florence Vaughan.</b> Yellow, spotted red	.50	.10
<b>Louis Reverchon.</b> Cochineal red	.50	.10
<b>Mrs. Alfred Conard.</b> Soft salmon pink	.50	.10





Carnation—Marguerite

CARNATION

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer.

	Large Pkt.	Pkt.
Chaubaud's Everblooming Mixed. Blooms in five months after being sown	.....\$0.50	\$0.15
Early Vienna. Large double flowers in choicest mixture; 1 foot	.....	.30 .10
Choice Mixed Double. All sorts	.....	.50 .10

MARGUERITE CARNATIONS

These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, always perfect, fragrant and are produced continuously. If slightly protected the first winter, they will revive the following spring and bloom during that whole season.

	Large Pkt.	Pkt.
Excelsior Mixed. Immense flowers in all the beautiful shades	.....\$0.40	\$0.15
Pink	.....	.40 .10
White	.....	.40 .10
Scarlet	.....	.40 .10
Yellow	.....	.40 .10
Choice Mixed	.....oz., \$1.00	.25 .10

CASTOR OIL BEAN (See Ricinus)

CELOSIA CRISTATA (Crested Cockscomb)

Very desirable for garden effects or edging; easily grown; produces large, brilliant comb-like heads.

	Large Pkt.	Pkt.
Aurea. Yellow	.....\$0.30	\$0.10
Giant Empress. Giant heads of rich crimson	.....	.30 .10
Glasgow Prize	.....	.25 .10
Sutton's Prize. Very dwarf, bright scarlet comb	.....	.60
Choice Mixed	.....oz., \$1.00	.20 .05

CELOSIA PLUMOSA (Feathered Cockscomb)

A splendid decorative plant for the garden. The feathery plumes are produced on long stems and are excellent for cutting.

	Large Pkt.	Pkt.
Childsi (Chinese Woolflower) Plants grow 2½ feet high, and produce a large number of ball-shaped scarlet flowers resembling silky wool. For illustration, see page 58	.....	.50 .15
Scarlet	.....	.15 .10
Golden Plume. Bright golden plume	.....	.15 .10
Spicata. Of pyramid growth; flowers pink shading to silvery white; 3 feet	.....	.20 .10
Thompsoni Magnifica. An improved strain with magnificent shades	.....	.25 .10
Thompson's Superb. A strain with bronze colored foliage and graceful feathery plumes of brilliant crimson; 2 feet	.....	.20 .10
Choice Mixed. All colors	.....oz., 50c.	.15 .05

CARDINAL CLIMBER

(Ipomoea Quamoclit) Hybrid

A distinct and beautiful new annual climber; a very rapid grower and free bloomer; the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Leaves dark green and deeply lacinated; bears a great profusion of fiery, cardinal red flowers, which are about 1½ inches in diameter. Per pkt., 15c.; 65c. per large pkt.

In order to have good germination of the seed of Cardinal Climber, a small notch should be filed or cut in each seed

Ask for Cultural Leaflet No. 213 on the growing of Carnations from seed



Cardinal Climber

CELOSIA PLUMOSA

PRIDE OF CASTLE GOULD

This variety excels all other varieties of this class; plants grow compact and pyramidal, about 2 to 3 feet high, producing immense flower heads, that closely resemble ostrich plumes. Colors are blood red, carmine, yellow, orange, golden, orange scarlet, etc., in Mixture. Per pkt., 15c.; 40c. per large pkt.

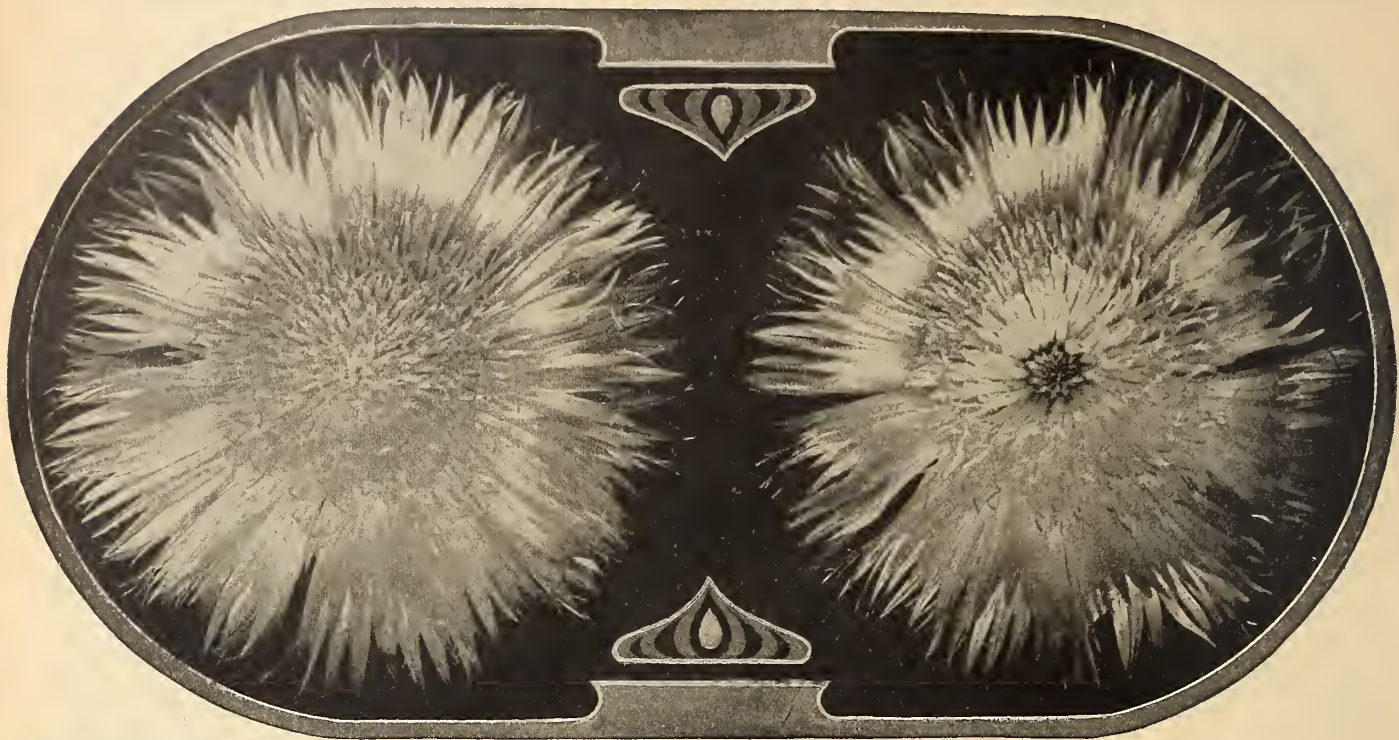
See pages 56 to 61 for Valuable Novelties and Specialties in Flower Seeds.



Celosia, Glasgow Prize

Celosia, Thompsoni Magnifica

# MICHELL'S CENTAUREAS



*Centaurea Imperialis* (Natural Size)



*Centaurea Cyanus* (Corn Flower)

## CENTAUREAS CENTAUREA IMPERIALIS (Giant Cornflower, or Sweet Sultan)

Gigantic, beautiful, sweet-scented flowers borne on long stems. They are well adapted for cutting and remain fresh long after being cut. Height of plant, 2 to 3 feet.

	Oz.	Large Pkt.	Pkt.
Deep Rose	\$1.00	\$0.20	\$0.10
Lavender	1.00	.20	.10
Lilac	1.00	.20	.10
Brilliant Pink	1.00	.20	.10
Purple	1.00	.20	.10
White	1.00	.20	.10
Choice Mixed	.75	.15	.10
Collection. One packet each of above 6 varieties			.50

### NEW GIANT FLOWERED CENTAUREA

Magnificent flowers produced on long, stout stems; excellent for cutting, and lasting a long while after being cut. Large Pkt. Pkt.

The Bride. Pure white	\$0.40	\$0.10
The Bridegroom. Purplish mauve	.40	.10
Honeymoon. Golden yellow	.40	.10

### CENTAUREA CYANUS (Cornflower or Bachelor's Button)

Also known as Blue Bottle, Ragged Sailor, Bluet, etc.; an old favorite garden annual, flowering freely in almost any situation; 2 feet.

	Oz.	Large Pkt.	Pkt.
Emperor William. Deep blue	\$0.30	\$0.15	\$0.05
Double Blue. Very large	1.00	.20	.10
Pink	.40	.15	.05
White	.40	.15	.05
Choice Mixed	.30	.15	.05
Double Mixed	.50	.15	.05

### WHITE LEAVED CENTAUREA (Dusty Miller)

Grown for their silvery foliage as edging plants. 500 Seeds		Pkt.
Gymnocarpa. Fine cut silvery gray foliage	\$0.20	\$0.10
Candidissima. Broad cut leaves of silvery gray	.30	.10

### VARIOUS CENTAUREAS

Americana. An excellent variety, growing about 3 feet high, with large, lilac purple, thistle-like flowers	Large Pkt.	Pkt.
	\$0.20	\$0.10
Suaveolens (Yellow Sweet Sultan). Showy, bright yellow, fragrant blossoms	.15	.05
Montana. Blue; perennial; 18 inches	.30	.10
Montana Alba. White	.30	.10



### CERASTIUM (Snow in Summer)

	Large Pkt.	Pkt.
<b>Tomentosum.</b> Dwarf, white-leaved edging plant; flowers white; 4 inches.....	\$0.40	\$0.15

### CHRYSANTHEMUM—ANNUAL VARIETIES

Exquisitely colored daisy-like flowers with finely cut foliage; good for cutting; also effective as a border plant.

	Large Pkt.	Pkt.
<b>Helios</b> ( <i>Evening Star</i> ). Extra large pure golden yellow flowers often measuring 4 inches across; height, 2 feet .....	\$0.15	\$0.10
<b>White Star.</b> Purest white.....	.20	.10
<b>Inodorum, "Snowball."</b> Large double flowers of finest white and good form; splendid for cutting; 1 foot.....	.20	.10
<b>Single Mixed</b> .....oz., 3oc.	.15	.05
<b>Double Mixed</b> .....oz., 3oc.	.15	.05

### CHRYSANTHEMUM—PERENNIAL VARIETIES

	Large Pkt.	Pkt.
<b>Mrs. C. Lothian Bell.</b> Immense pure white flowers .....	\$0.50	\$0.15
<b>Frutescens Grandiflorum</b> ( <i>Paris Daisy or Marguerite</i> ). Single white flowers.....	.20	.10
<b>Shasta Daisy, "Alaska."</b> The finest of all; single white flowers on long stems; 2 feet .....	.50	.20
<b>King Edward VII.</b> Flowers extra large; pure white.....	.25	.10
<b>Japanese Hybrids.</b> Large flowers of the finest types; an extra choice mixture; seed sown in spring will produce flowering plants by fall; 2 feet .....	.65	.15

### CLARKIA

Annuals of easy culture; planted in large groups they are very bright and effective; the long graceful sprays are good for table decorations.

	Large Pkt.	Pkt.
<b>Single Mixed.</b> All colors .....	\$0.15	\$0.05
<b>Double Mixed.</b> All colors.....	.15	.05

### CLEOME (Spider Plant)

An attractive annual plant with curious heads of flowers.

	Large Pkt.	Pkt.
<b>Pungens.</b> Pink flowers .....	\$0.15	\$0.05

### COLEUS

Large Leaved Hybrids, Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in warm temperature .....



Cineraria—Michell's Grandiflora Prize



Shasta Daisy, Alaska

### CINERARIA

One of the most ornamental and useful plants for conservatory or house decoration; seed may be sown from May to September for a succession. Our Grandiflora Prize Strain is the best procurable, producing immense trusses of the largest flowers, often measuring up to 4 inches across.

	Large Pkt.	Pkt.
<b>Grandiflora Prize Dwarf.</b> Mixed colors; plants of dwarf habit.....	\$0.75	\$0.35
<b>Grandiflora Prize Medium Tall.</b> Mixed colors; desirable as a decorative plant.....	.75	.35
<b>James' Giant Strain.</b> A superb variety; mixed colors .....	1.25	.50
<b>Sutton's Superb.</b> Mixed colors. Original pkt. ....		1.00
<b>Matador.</b> Large bright red flowers.....	.75	.35
<b>Hybrida.</b> Choice mixed colors.....	.65	.25
<b>Radiata Hybrida.</b> New varieties of the Star Cineraria in a wide range of colors and shades .....	.75	.20
<b>Stellata</b> ( <i>Sutton's</i> ). Medium sized star-like flowers. Original pkt.....		1.00
<b>Stellata Hybrida.</b> Of graceful and vigorous habit, producing a profusion of elegant flowers .....	.75	.25

### WHITE-LEAVED CINERARIA (Dusty Miller)

	Large Pkt.	Pkt.
<b>Maritima Candidissima.</b> Silvery green lacinated foliage, good for edging.....	.15	.05

### CLEMATIS

Hardy perennial climbers; fine for arbors, verandas, etc.

	Large Pkt.	Pkt.
<b>Flammula.</b> Feathery-white fragrant flowers .....	\$0.15	\$0.05
<b>Jackmann's Large Flowering.</b> Mixed; saved from the finest, large flowering sorts .....	.40	.15
<b>Paniculata</b> ( <i>Japanese Virgin's Bower</i> ). The beautiful autumn flowering variety so much admired for its fragrant, white star-shaped flowers .....	.20	.10

### COBAEA SCANDENS (Cups and Saucers Vine)

Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edgewise, and merely cover with light soil.

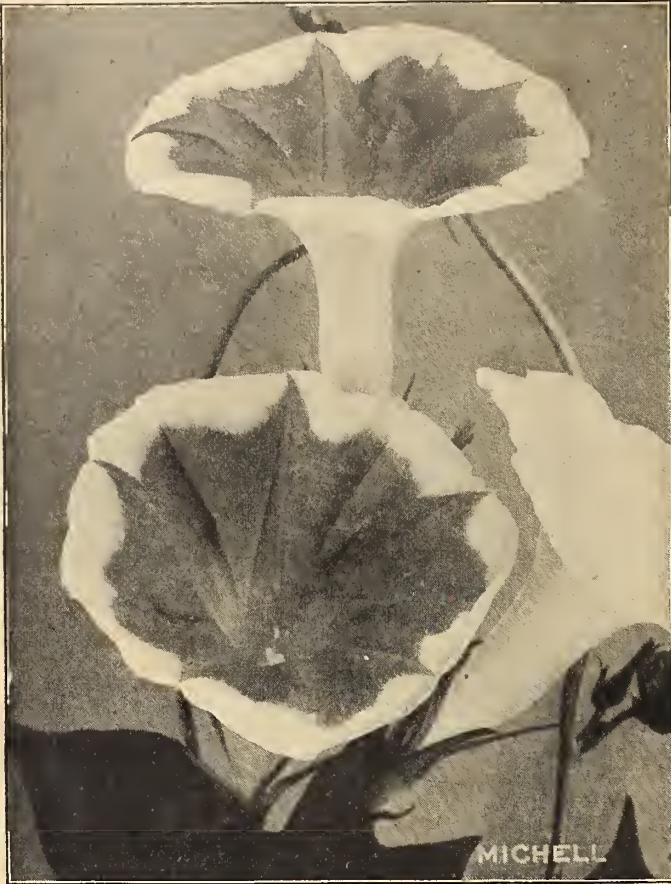
	Large Pkt.	Pkt.
<b>Purple</b> .....	oz., 6oc.	\$0.20
<b>White</b> .....		\$0.10

COCKSCOMB See Celosia

COIX LACHRYMAE (Ornamental Grass)

(See page 79)

COLUMBINE See Aquilegia



Japanese Imperial Morning Glory (*Convolvulus*)

**CONVOLVULUS (Morning Glory)**  
**MAJOR, OR TALL VARIETIES**

One of the most popular annual climbers, growing about 15 feet in height and thriving in almost any situation.

<b>Japanese Imperial.</b> Flowers of immense size and of a great variety of colors.....	Oz. \$0.25	Pkt. \$0.05
<b>Japanese Imperial Fringed.</b> Large fringed flowers of many beautiful colors and shades.....	.40	.10
<b>Snow Fairy.</b> A new and beautiful variety, producing an abundance of large double, snow-white, tassel-like flowers .....		.10
<b>Mixed.</b> The ordinary variety .....	.15	.05
<b>Double Flowering.</b> Mixed colors .....	.50	.10
<b>Imported Collection.</b> 8 varieties .....		.40

**MINOR, OR DWARF VARIETIES**

A very showy hardy annual for flower beds and borders; also rock work; height, 1 foot.

<b>Tricolor.</b> Blue .....	.25	.05
<b>Mixed Colors</b> .....	.15	.05

**COREOPSIS—See Calliopsis**

**CORN**

**Rainbow.** Stalks grow 5 feet tall; leaves variegated, with broad stripes of crimson, yellow, white, green, etc.; excellent for decorating.....

	.30	.10
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**CORNFLOWER—See Centaurea**

**COWSLIP—See Primula Veris**



Michell's Giant Fancy Cosmos

**COSMOS**

One of the most beautiful and useful of hardy annuals, producing large showy flowers in great profusion; excellent for cutting.

**MICHELL'S LARGE EARLY FLOWERING**

This new Early Flowering Strain will begin blooming as early as July and will continue until frost; flowers large, often measuring 3 inches across; 4 feet.

	Oz.	Large Pkt.	Pkt.
<b>Crimson</b> .....	\$0.75	\$0.20	\$0.10
<b>Pink</b> .....	.75	.20	.10
<b>White</b> .....	.75	.20	.10
<b>Mixed</b> .....	.60	.20	.10
<b>Dawn.</b> White flushed with pink .....	.75	.20	.10

**MICHELL'S GIANT OR LATE COSMOS**

Large flowers of perfect form; on long stems and lasting until frost; 5 to 6 feet.

	Oz.	Large Pkt.	Pkt.
<b>Giant Pink</b> .....	\$0.50	\$0.15	\$0.10
“ <b>Crimson</b> .....	.50	.15	.10
“ <b>White</b> .....	.50	.15	.10
“ <b>Mixed</b> .....	.50	.15	.05
“ <b>Fancy Varieties.</b> Mixed colors .....	1.00	.30	.10
“ <b>Crimson Ray (New).</b> Large flowers with narrow and fluted crimson petals, separated in star-like form .....		.25	.10
<b>Giant Lady Lenox.</b> Flowers are of immense size, with wide overlapping petals, making a perfectly circular flower; color a beautiful shell pink .....	.60	.20	.10
<b>Giant White Lady.</b> A selection from the Lady Lenox described above; flowers large, pure white .....	.75	.20	.10
<b>Giant Rainbow.</b> Delicate colorings .....	1.00	.25	.10
<b>Klondyke.</b> Large golden yellow flowers.....	1.00	.30	.10
<b>Double Pink Beauty (New).</b> A large percentage of the flowers come double, and the few singles produced are extra fine.....		.50	.15
<b>Double White Queen.</b> Pure white .....		.50	.15
<b>Double Red Beauty.</b> Cherry red .....		.65	.15

Ask for Cultural Leaflet No. 214 on the growing of Cosmos.

**CUPHEA (Cigar Plant)**

**Platycentra.** Interesting bedding plant; the flower is shaped like a hollow cigar; color, scarlet with a black and white tip; 1 foot .....

	\$0.50	\$0.10
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**CYCLAMEN**

Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

**MICHELL'S DISTINCTIVE GIANT**

Grown for us in England by a specialist who has received numerous first prizes for the large size and beautiful coloring of the flowers.

	100 Seeds Pkt.	
<b>Duke of Connaught.</b> Crimson.....	\$1.75	\$0.50
<b>Excelsior.</b> White with red eye .....	1.75	.50
<b>Grandiflora Alba.</b> White .....	1.75	.50
<b>Princess of Wales.</b> Pink .....	1.75	.50
<b>Salmon Queen.</b> Salmon pink .....	1.75	.50
<b>Mixed.</b> All colors .....	1.50	.40

**VARIOUS CYCLAMEN**

<b>Mrs. Buckston.</b> Frilled and waved flowers; color delicate salmon. Original pkt.....		.75
<b>Papilio (Butterfly).</b> The edges of the flowers are beautifully fringed, or waved; mixed colors.....	1.50	.40
	Large Pkt. Pkt.	
<b>Persicum.</b> Choice mixed .....	\$0.50	\$0.10
<b>St. George.</b> Flowers a beautiful salmon color; leaves margined with silver. ....Original pkt.		.75
<b>Sutton's Giant.</b> Choicest mixed .....	Original pkt.	1.00

Ask for Cultural Leaflet No. 215 on the growing of Cyclamen.

**CYPERUS (Umbrella Plant)**

<b>Alternifolius.</b> An elegant plant for growing in water or damp places; useful as a pot plant.....	Large Pkt.	Pkt.
	\$0.40	\$0.10

**CYPRESS VINE (Ipomoea Quamoclit)**

A very graceful annual climber, with feathery foliage; and beautiful, star-like flowers.

	Oz.	Large Pkt.	Pkt.
<b>Scarlet</b> .....	\$0.40	\$0.15	\$0.05
<b>White</b> .....	.40	.15	.05
<b>Mixed</b> .....	.30	.15	.05



Dahlia, Double Large Flowering Show

**DAHLIAS (FROM SEED)**

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises. Seed should be started in the house from February till May and the young plants should not be set outdoors until danger from frost is past.

**DOUBLE FLOWERING VARIETIES**

	Large Pkt.	Pkt.
<b>Cactus, Choice Mixed</b> .....	\$0.50	\$0.10
<b>Large Flowering (Show Type), Mixed</b> .....	.30	.10

**SINGLE FLOWERING VARIETIES**

<b>Collarette.</b> Flowers of various colors, with a collar of small petals around the centre .....	.30	.15
<b>Giant Perfection.</b> Immense single flowers of various colors, many beautifully striped and spotted.....	.30	.10
<b>Twentieth Century.</b> Flowers of immense size with distinct colorings; very handsome .....	.50	.15

**DAISY, ENGLISH DOUBLE (Bellis Perennis)**

These are favorite perennials; seed should be sown from June 1st till September, transplanted in the fall and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches.

	Large Pkt.	Pkt.
<b>Monstrosa, Pink.</b> These surpass all strains of this popular plant in growth and in the abundance of extra large, perfectly double flowers .....	\$0.65	\$0.25
<b>Monstrosa, White</b> .....	.65	.25
<b>Monstrosa, Mixed</b> .....	.65	.25
<b>Longfellow.</b> Large double pink flowers .....	.40	.10
<b>Snowball.</b> Purest white; large and double .....	.40	.10
<b>Double Mixed.</b> Finest quality .....	.40	.10

**DATURA (Trumpet Flower)**

A most ornamental plant growing quite bushy with extra large trumpet-shaped flowers; height, 2 to 3 feet.

	Large Pkt.	Pkt.
<b>Cornucopia (Horn of Plenty)</b> Large double sweet-scented flowers; white marbled with purple.....	\$0.15	\$0.10
<b>Brugmansia (Arborea Simplex)</b> Large, single white fragrant flowers, often 12 inches long.....	.50	.15
<b>Double Golden.</b> Golden yellow flowers; fragrant....	.15	.05
<b>Double Mixed.</b> All colors .....	.15	.05

(ht)



Mitchell's Fancy Giant Cyclamen



**DELPHINIUM (Hardy Perennial Larkspur)**

One of the finest hardy perennials; very easily grown from seed, blooming the first season if sown early. Very effective in beds, masses or borders. To prolong the season of bloom, cut the old flower stems off after they have faded, and new shoots will produce flower heads successfully.

	Large Pkt.	Pkt.
<b>Kelway's Giant.</b> A strain recognized the world over as a prize-winner; plants are of strong, vigorous growth, with immense spikes of large flowers; many shades of blue; 5 to 7 feet.....	\$0.50	\$0.15
<b>Belladonna.</b> One of the most continuous blooming varieties; immense spikes of clear turquoise blue; 5 feet.....	.65	.25
<b>Rev. E. Lascelles.</b> One of the finest varieties; large double, deep blue flowers with white centre.....	.50	.15
<b>Duke of Connaught.</b> Rich oxford blue with a distinct white eye.....	.50	.15
<b>Formosum.</b> Deep blue; 5 feet.....oz., \$1.00	.25	.10
<b>Formosum Coelestinum.</b> Sky blue .....	.30	.15
<b>Chinense Grandiflorum.</b> A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet.....oz., 75c.	.15	.05
<b>Chinense Grandiflorum Album.</b> Pure white flowers.....oz., 75c.	.15	.05
<b>Cashmerianum.</b> Dark blue; 18 inches.....	.50	.10
<b>Elatum (Bee Larkspur).</b> Rich blue; 4 feet.....oz., \$1.00	.25	.10
<b>Nudicaule.</b> Bright scarlet; 18 inches.....	.50	.10
<b>Queen Wilhelmina.</b> Large flowers of a soft lavender blue, flushed with rose, white eye .....	.50	.15
<b>Zalil.</b> Sulphur yellow; 4 feet.....	.50	.10
<b>Hybridum Mixed.</b> Choicest; 4 feet.....oz., 60c.	.15	.05

For Annual Larkspur, see page 82.



Delphinium—Kelway's Giant



MICHELL

Dianthus—Double Annual Pinks

For  
**DELPHINIUM  
PLANTS**  
See Page 131

**DIANTHUS (Pinks)**

A most satisfactory class of flowers, easily raised from seed and which are in constant bloom the entire season; excellent for cutting.

**DOUBLE ANNUAL SORTS**

	Large Pkt.	Pkt.
<b>China or Indian Pink.</b> All colors mixed; oz., 50c.....	\$0.15	\$0.05
<b>Fireball.</b> Fiery red .....	.25	.10
<b>Double Fringed.</b> Large flowers; mixed .....	.20	.10
<b>Japan Pink.</b> Choice mixed .....	.20	.10
<b>White.</b> Fringed flowers .....	.20	.05

**SINGLE ANNUAL SORTS**

<b>Japan Pink.</b> All colors .....	oz., 75c.	.20	.05
<b>Nobilis (Royal Pinks).</b> The large open single flowers measure three to four inches in diameter and are remarkable for the varied range of extremely bright colorings .....		.25	.10
<b>Salmon Queen.</b> Fringed; salmon pink .....		.25	.10
<b>Imported Collection.</b> 10 varieties .....			.50

**HARDY GARDEN PINKS**

Elegant summer flowering border plants, producing a wealth of deliciously fragrant flowers.

	Large Pkt.	Pkt.	
<b>Erfurt.</b> Of dwarf, compact growth; blooms early; very fragrant; mixed colors .....	.65	.15	
<b>Clove Scented.</b> Double and semi-double varieties, in beautiful colors; fragrant .....	.40	.10	
<b>Pheasant's Eye.</b> Single white fringed flowers with dark centre .....	oz., 60c.	.15	.05
<b>Double Scotch.</b> Choice colors .....	.40	.15	

**DICTAMNUS (Gas Plant)**

<b>Fraxinella.</b> Showy bushy plants; 2½ feet high; purple red flowers; June and July.....	.15	.05
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MICHELL

For DIGITALIS PLANTS See Page 130

**DOLICHOS (Hyacinth Bean)**

Oz. Pkt.

- Rapid growing climber, bearing a profusion of bean-like flowers.
- Darkness.** A variety from Japan; rapid grower; flowers reddish violet ..... \$0.30 \$0.10
- Daylight.** Identical to the above except in color, which is pure white. .30 .10
- Choice Mixed** ..... .20 .05

**DRACENA**

Large Pkt. Pkt.

- Ornamental plants for vases or conservatory decoration.
- Australis.** Broad green leaves..... \$0.20 \$0.10
- Indivisa.** Narrow green leaves..... Oz., 50c. .15 .10

**ECHINOCYSTIS (Wild Cucumber Vine)**

- Lobata.** One of the quickest growing vines; excellent for covering trellises, fences, etc..... Oz., 30c. .15 .05

**EDELWEISS (Gnaphallium)**

- Leontopodium.** The famous Alpine flower, suitable for rock work, etc.; 6 inches..... .40 .15



MICHELL

*Digitalis (Foxglove) Gloxiniaeflora*

**DIGITALIS (Foxglove)**

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet.

- |                                   |        |            |        |
|-----------------------------------|--------|------------|--------|
| <b>Gloxiniaeflora, Pink</b> ..... | Oz.    | Large Pkt. | Pkt.   |
| .....                             | \$0.75 | \$0.20     | \$0.10 |
| “ <b>Purple</b> .....             | .75    | .20        | .10    |
| “ <b>White</b> .....              | .75    | .20        | .10    |
| “ <b>Mixed</b> .....              | .60    | .15        | .05    |
| <b>Grandiflora, Yellow</b> .....  | .60    | .15        | .05    |

**Monstrosa (Mammoth Foxglove).** The tall spikes are surmounted by one monstrous flower. All colors mixed..... 1/4 oz., 40c. .30 .10



*Dimorphotheca—Aurantiaca Hybrida*

**DIMORPHOTHECA**

Large Pkt. Pkt.

- Aurantiaca (African Orange Daisy).** One of the showiest garden annuals; compact, bushy plants with orange-gold daisy-like blooms on long stems; excellent for cutting..... \$0.25 \$0.10
- Aurantiaca Hybrids.** A splendid mixture of colors and shades, from white through various shades of yellow, orange, rose, etc..... .40 .10
- Aurantiaca Hybrida, fl. pl.** Double and semi-double flowers in various colors..... .20

*Eschscholtzia (California Poppy)*

**ESCHSCHOLTZIA (California Poppy)**

An elegant hardy annual with fine cut foliage, and large, poppy-like flowers; in bloom from June until frost; fine for borders or large beds; 1 foot.

- |  |           |            |      |
|--|-----------|------------|------|
| <b>Californica.</b> Pure yellow.....   | Oz., 30c. | Large Pkt. | Pkt. |
| .....  | \$0.15    | \$0.05     |      |
| <b>Golden West.</b> Magnificent large deep golden yellow flowers.....        | Oz., 40c. | .15        | .10  |
| <b>Carmine King.</b> Beautiful carmine rose on both sides of the petals..... | Oz., 60c. | .15        | .10  |
| <b>Orange.</b> Rich orange yellow.....                                       | Oz., 30c. | .15        | .05  |
| <b>White</b> .....   | Oz., 30c. | .15        | .05  |
| <b>Mandarin.</b> Inner side of petals orange, outer petals scarlet.....      | Oz., 30c. | .15        | .05  |
| <b>Rose Cardinal.</b> Carmine rose.....                                      | Oz., 50c. | .15        | .05  |
| <b>Choice Mixed</b> .....  | Oz., 30c. | .15        | .05  |

**EULALIA (Ornamental Grass)** See page 79



**EUPATORIUM**

A fine hardy perennial, which will grow and thrive in almost any position; blooms the first season from seed if sown early; excellent for cutting; 2 feet.

*Fraseri*. Feathery white flowers ..... Large Pkt. Pkt. \$0.20 \$0.10

**EUPHORBIA**

Plants with ornamental foliage; very showy and easily raised from seed; height, 2 feet.

*Heterophylla* (*Mexican Fire Plant*). Large glossy green leaves, turning to orange scarlet in mid-season ..... Large Pkt. Pkt. \$0.20 \$0.10  
*Variegata* (*Snow on the Mountain*) ..... oz., 50c. .15 .05

**FERNS**

Very desirable plants for ferneries. Large Pkt. Pkt.

*Adiantum* (*Maiden Hair*). Mixed ..... \$0.65 \$0.15  
*Pteris* Varieties. Mixed ..... .65 .15  
 All Sorts Mixed. Choice collection ..... .65 .15

We can also furnish all other varieties of fern spores.

**FEVERFEW** (*Matricaria*)

Double White. Hardy annual; free flowering; for bedding or pot culture; showy double white flowers; 18 inches ..... oz., 50c. .15 .10

**FORGET-ME-NOT.** (See *Myosotis*)

**FOUR O'CLOCK.** (See *Marvel of Peru*)

**FOXGLOVE.** (See *Digitalis*)

**FUCHSIA** (*Lady's Ear Drop*)

Double and Single Mixed. Of easy culture. .... 100 Seeds \$0.75 .15



*Gaillardia, Grandiflora*

**GAILLARDIA** (*Blanket Flower*)

**ANNUAL VARIETIES**

A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear uninterruptedly the entire season on stout erect stems often 15 to 18 inches in length.

*Picta* Mixed. Single flowers in all colors.... oz., 50c. \$0.15 \$0.05  
*Picta Lorenziana*. Double mixed ..... oz., 50c. .15 .05

**PERENNIAL VARIETIES**

One of the most brilliant of hardy perennials; blooming the first year from seed if sown early. Large Pkt. Pkt.

*Grandiflora Compacta*. A compact variety; choice mixed colors; 12 to 15 inches ..... \$0.20 \$0.10  
*Grandiflora Superba*. Splendid mixed; 2 feet; oz., 60c. .15 .10  
*Grandiflora Sanguinea*. Blood red flowers..... .25 .15  
*Sulphurea Oculata*. Sulphur, maroon eye ..... .30 .10  
 Semi-double. Mixed ..... .30 .10

**GENTIANA** (*Blue Gentian*)

*Acaulis*. A dwarf hardy perennial; deep blue flowers; suited to moist, shady situations ..... Large Pkt. Pkt. \$0.30 \$0.10

**GERANIUM**

These are general favorites, easily grown from seed.

Apple Scented. Highly esteemed on account of its fern-like, fragrant foliage; 1 foot ..... 100 Seeds Pkt. \$0.40 \$0.10  
*Pelargonium* (*Lady Washington*). Seed saved from the largest flowered show varieties..... 1.75 .25  
*Zonale Mixed*. A superb strain of the largest and finest varieties; 1 to 2 feet..... Large Pkt. \$0.30 .10

**GERBERA** (*Transvaal Daisy*)

Splendid greenhouse perennials with large fine-leaved, daisy-like flowers; splendid for pot plants or cutting. 100 Seeds Pkt.

*Jamesoni Gigantea*. Extra large flowers of brightest scarlet ..... \$1.25 \$0.25  
*Jamesoni Hybrida*. These hybrids include a wonderful range of brilliant colors and shades..... 1.25 .25

**GEUM**

*Atrosanguineum Fl. Pl.* A beautiful hardy perennial, bearing large, showy, double, dark crimson flowers all through the summer; fine for bouquets; 1½ feet ..... 1.25 .10

**GLOXINIA**

Showy, free-flowering plants for pot culture; producing magnificent flowers of the richest colors; 1 foot. Large Pkt. Pkt.

*Hybrida Grandiflora*. The best strain in existence, embracing all the choicest self-colored and tigered and spotted flowers ..... \$0.75 \$0.25

**GODETIA** (*Satin Flower*)

Beautiful and easily grown hardy annuals, producing a profusion of flowers of satiny texture. Large Pkt. Pkt.

*Gloriosa*. Large, blood-red flowers ..... \$0.15 \$0.10  
 Choice Mixed. All colors ..... .15 .05

**GOLDEN ROD** (*Solidago Canadensis*)

A well-known hardy perennial; deep golden-yellow flowers; 2 feet ..... .15 .05

**GOMPHRENA** (*Globe Amaranth*)

Also called "Bachelor's Buttons"; a showy annual everlasting, with button-like flowers, fine for cutting. Oz. Large Pkt. Pkt.

*Nana Compacta*. Dwarf red; 1 foot..... \$0.60 \$0.15 \$0.05  
 Mixed. All colors; 2 feet ..... .40 .15 .05

**GOURD** (*Ornamental*)

Rapid growing annual climbers for covering arbors, fences, etc., with ornamental foliage and curious shaped fruit.

	Oz.	Large Pkt.	Pkt.
<i>Calabash, or Dipper</i> . Very useful	\$0.40	\$0.15	\$0.05
<i>Egg-Shaped</i> . White like an egg	.40	.15	.05
<i>Hercules Club</i> . Club shaped; 4 feet long	.40	.15	.05
<i>Luffa</i> ( <i>Dish Rag or Bonnet Gourd</i> )	.40	.15	.05
<i>Orange-Shaped</i> ( <i>Mock Orange</i> )	.40	.15	.05
<i>Pear-Shaped</i> . Striped; very showy	.40	.15	.05
<i>Serpent</i> . Striped like a serpent; 5 feet long	.40	.15	.05
<i>Sugar Trough</i> . Used as water holders	.40	.15	.05
Mixed. In a great variety	.30	.15	.05



**Ornamental Mixed Gourds**





GRASSES, ORNAMENTAL

These are very interesting and useful, either for growing in clumps, mixed borders or in shrubberies. Also when dried they are fine for winter bouquets and decorations, for which purpose they should be gathered before fully matured.

ARUNDO (Great Reed)

Donax. Perennial with drooping green and white striped leaves; excellent for lawn clumps; 9 feet... Large Pkt. Pkt. \$0.20 \$0.10

AVENA (Animated Oats)

Sterilis. Long, sensitive awns which expand and contract, causing the seed to rattle in the pod; annual; 18 inches .15 .05

BRIZA (Quaking Grass)

Maxima. Elegant panicles; excellent for bouquets and dried flowers; annual; 1 foot .15 .05

BROMUS

Brizaeformis. Large drooping panicles, useful for bouquets; 2 feet; annual .15 .05

COIX LACHRYMAE (Job's Tears)

A strong, broad leaved ornamental grass, with large shining, pearly seeds; annual; 2 to 3 feet..oz., 15c. .05

EULALIA

Japonica. A hardy perennial variety, with long graceful leaves; green and white striped; 4 to 5 feet... .15 .05

GYNERIUM (Pampas Grass)

Argenteum. White silvery plumes; perennial; blooms the second season; 8 to 10 feet... .15 .10

HORDEUM JUBATUM (Squirrel Tail Grass)

Bushy panicles; excellent for bouquets; annual; 3 feet .15 .05

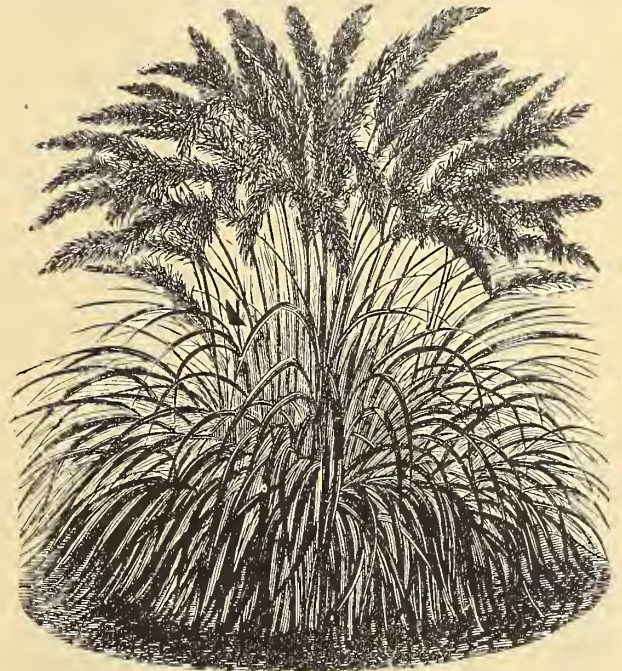
PENNISETUM

Longistylum. Graceful greenish-white plumes, fine for beds or dried bouquets; 2 feet; annual... .15 .05

Ruppelianum (Purple Fountain Grass). Excellent for beds or for dried bouquets; purple plumes; 3 feet; annual .15 .10

STIPA PENNATA (Feather Grass)

Hardy perennial with silvery-white, feathery plumes; flowers the second season; 2 feet .20 .05



ennisetum, Ruppelianum (Ornamental Grass)

GREVILLEA (Silk Oak)

Robusta. A beautiful and graceful decorative plant with fern-like foliage; excellent for table decoration; easily raised from seed .oz., \$1.00 Large Pkt. Pkt. \$0.25 \$0.10

HELENIUM (Sneeze-Wort)

Autumnale Superbum. A hardy perennial, succeeding in almost any kind of soil; large heads of golden yellow flowers; blooms in late summer and autumn; 5 to 6 feet .30 .10

HELIANTHUS (See Sunflower)

HELICHRYSUM (Strawflower)

One of the best and most popular of the everlasting flowers; the varieties offered here are all of the Monstrosum type, producing larger and more perfectly double flowers than the old variety. Valuable for cutting or decoration, either when fresh or in their dried state. 2 feet.

Table listing Helichrysum varieties: Fireball, Golden Ball, Salmon Pink, Silver Ball, Choice Mixed, Imported Collection. Prices in Large Pkt. and Pkt. columns.

One packet each of the above 11 varieties of Ornamental Grasses for 60 Cents.



Gypsophila Paniculata, fl. pl.

For Plants of Ornamental Grasses See Page 133

GYPSOPHILA (Baby's Breath)

Pretty, free-flowering plants of easy culture; excellent for cutting to mix with other flowers; 2 feet.

Elegans Alba Grandiflora. A hardy annual variety; delicate sprays of pure white flowers. Pkt., 5c.; 15c. per large pkt.; per oz., 25c.

Paniculata. Hardy perennial variety; flowers in graceful sprays of white; will bloom the first season if sown early. Pkt., 5c.; 20c. per large pkt.; per oz., 75c.

Paniculata fl. pl. Perennial, with a profusion of double white flowers. Pkt., 20c.



Helichrysum (Strawflower)



**HELIOPSIS (Orange Sunflower)**

*Pitcheriana.* A handsome hardy perennial; producing an abundance of deep orange yellow flowers the entire summer; excellent for cutting; 3 to 4 feet.  
Large Pkt. Pkt.  
oz., 60c. \$0.15 \$0.10

**HELIOTROPE**

A well-known and highly prized plant on account of the delightful fragrance of the flowers; seed started indoors in the spring will make fine plants for summer blooming; can also be sown outdoors in May. Excellent for pots, or for bedding; 18 inches.  
Large Pkt. Pkt.

*Lemoine's Giant.* Produces a profusion of flowers nearly double the size of the old sort; mixed colors. \$0.50 \$0.15  
*Regal.* Of dwarf compact growth; immense flowers; all shades ..... .50 .15  
*Choice Mixed.* Of many varieties ..... .30 .10

**HEUCHERA (Alum Root)**

*Sanguinea.* Hardy perennial; spikes of vivid crimson flowers; excellent for cutting; 1 foot. .... .50 .10



**New Giant Hibiscus**

**HIBISCUS (Marshmallow)**

Showy ornamental perennial plants for mixed beds or shrubbery borders, with large and beautifully colored flowers.  
Large Pkt. Pkt.

*New Giant (Mallow Marvel).* Gigantic single flowers, in many shades of red, pink, purple and white, mixed ..... \$0.30 \$0.15  
*Crimson Eye.* Large white flowers with crimson centre; 4 feet ..... .20 .10  
*Moscheutos.* Large, rosy red flowers with dark centre ..... .15 .05  
*Golden Bowl.* Giant yellow, maroon centre. .... .25 .10

**HONESTY (Moonwort, Satin Flower)**

Hardy biennial, admired for its silvery seed pods, which are used for ornamental purposes; 2 feet... .15 .05

**HORDEUM (ORNAMENTAL GRASS)**

(See page 79)

**HUMULUS (Japanese Hop)**

A rapid growing annual climber with luxuriant foliage; excellent for covering verandas, trellises, etc.

*Japonicus.* Dense green foliage ..... \$0.50 \$0.15 \$0.05  
*Variegatus.* Leaves mottled with white.. .50 .15 .10

**HUNNEMANNIA (Giant Yellow Tulip Poppy)**

*Fumariaefolia.* Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of July, continuing for the balance of the season; the foliage resembles *Eschscholtzia*; height, 2 feet .....oz., 60c. \$0.15 \$0.10

**HYACINTH BEAN (See Dolichos)**



**Chater's Double Hollyhock**

**HOLLYHOCK**

One of the most popular and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet.

**CHATER'S IMPROVED DOUBLE HOLLYHOCK**

	Oz.	Large Pkt.	Pkt.
Pink .....	\$1.25	\$0.30	\$0.10
Maroon .....	1.25	.30	.10
Red .....	1.25	.30	.10
Salmon .....	1.25	.30	.10
White .....	1.25	.30	.10
Yellow .....	1.25	.30	.10
Choice Mixed .....	1.00	.25	.10
Single Mixed .....	.75	.20	.10
Collection, one packet each of above 6 colors.....			.50
Imported Collection. 12 colors .....			.75
<i>Allegheny.</i> Semi-double; mammoth flowers, edges fringed and lacinated; mixed .....	oz., \$1.00	.25	.10

**ANNUAL EVERBLOOMING HOLLYHOCK**

While these are also hardy perennial varieties, if seed is sown in the house in March or April they will bloom the first season.  
Large Pkt. Pkt.

*Double Ever-blooming Mixed.* Colors range from white to deep black, yellow, pink, red, purple, .....oz., \$1.25 \$0.30 \$0.15  
*Single Ever-Blooming Mixed .....*oz., 1.00 .25 .10  
Ask for Cultural Leaflet No. 212 on the growing of Hardy Perennials from seed.



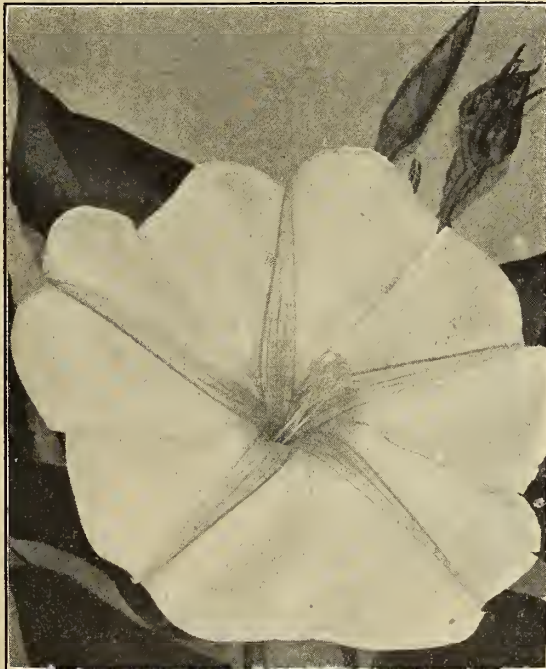
### IMPATIENS (Sultan's Balsam)

A charming plant for house and conservatory decoration. Large Pkt. Pkt.

- Holstii.** A new variety from Africa, resembling Impatiens Sultani in leaf and shape of bloom, but surpassing it in quicker growth and its larger and brighter colored flowers ..... \$0.50 \$0.20
- Holstii, "New Hybrids."** The colors offered in these Hybrids are beautiful and of many shades ..... .50 .15
- Sultani.** Brilliant rosy-scarlet ..... .50 .15
- Sultani Hybrida.** Colors ranging from pale pink to dark crimson ..... .50 .15

### INCARVILLEA (Hardy Gloxinia)

- Delavayi.** Deeply cut hairy foliage with stout stalks terminated with 3 to 5 most beautiful pink, gloxinia-like flowers; perennial; May; 15 inches ..... .50 .25



Ipomoea (Moon Flower)

### IPOMOEA

- Grandiflora Superba.** Flowers sky-blue with a white margin ..... oz., 40c. \$0.15 \$0.05
- Heavenly Blue.** Large, sky-blue flowers ..... oz., \$1.00 .25 .10
- Noctiflora (Moon Flower).** At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers. oz., 60c. .20 .10
- Quamoclit Hybrida (Cardinal Climber).** Fiery cardinal red ..... .65 .15
- Setosa (Brazilian Morning Glory).** Large leaves and bright rose-colored flowers ..... oz., 40c. .15 .05
- Mixed.** Various colors ..... oz., 30c. .15 .05

### IRIS (Flowering Flag)

- Kaempferi (Japanese Iris).** Hardy perennial; very showy; blooms the second year from seed; mixed colors ..... .15 .10

### JOB'S TEARS (See Grasses, Page 79)

### KENILWORTH IVY (Linaria Cymbalaria)

- A charming, neat trailing plant, for baskets, vases, pots, etc.; flowers violet .30 .05

### KOCHIA (Summer Cypress or Mexican Fire Bush)

- Trichophylla.** An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feet ..... .15 .10

### KUDZU VINE (See Pueraria)

### LANTANA

Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble Verbenas; plants grow erect and remain in bloom all summer.

- Dwarf Mixed.** 10 inches high; all colors ..... \$0.20 \$0.10
- Choice Tall Mixed.** 2 to 3 feet high ..... oz., 40c. .15 .10

### LARKSPUR (See next page)



Lathyrus (Everlasting Pea)

### LATHYRUS LATIFOLIUS

(Everlasting or Perennial Pea)

Free flowering, resembling Sweet Peas in growth, foliage and flowers; excellent for cutting.

- |                                      | Oz.    | Large Pkt. | Pkt.   |
|--------------------------------------|--------|------------|--------|
| <b>Crimson.</b> Brilliant            | \$0.60 | \$0.20     | \$0.10 |
| <b>Pink Beauty.</b> Bright rosy-pink | 1.00   | .25        | .10    |
| <b>White</b>                         | .75    | .20        | .10    |
| <b>Choice Mixed.</b> All colors      | .60    | .15        | .05    |

### LAVATERA

Large Pkt. Pkt.

- Splendens Rosea.** A compact shrubby-like annual plant with glossy foliage and bright pink mallow-like flowers; splendid for cutting and decorative work; easily raised from seed ..... \$0.20 \$0.10

### LAVENDER (Lavendula Vera)

- Well-known hardy perennial, bearing long spikes of fragrant blue flowers; 18 inches ..... oz., 90c. .20 .05

Large Pkt. Pkt.



Kochia Trichophylla



**LARKSPUR (Annual)**

Splendid annuals of easy culture; seed sown early in spring will produce blooming plants by July; graceful fern-like foliage and slender spikes with double rosette flowers; fine for cutting or garden decoration.

**GIANT HYACINTH FLOWERED**

Tall spikes with double flowers resembling Hyacinths.

	Oz.	Large Pkt.	Pkt.
White .....	\$1.00	\$0.20	\$0.05
Dark Blue .....	1.00	.20	.05
Mixed Colors .....	.60	.15	.05

**TALL DOUBLE STOCK FLOWERED**

Plants branch freely and the flowers resemble double stock; height, 2½ feet.

	Oz.	Large Pkt.	Pkt.
Dark Blue .....	\$0.75	\$0.15	\$0.10
Sky Blue .....	.75	.15	.10
Shell Pink .....	.75	.15	.10
White .....	.75	.15	.10
All Colors Mixed .....	.50	.15	.05

**DWARF DOUBLE ROCKET**

Mixed. A compact bushy plant with several dwarf spikes of double flowers; height, 1 foot

	Oz.	Large Pkt.	Pkt.
.....	.30	.15	.05

Ask for Cultural Leaflet No. 216 on the growing of Larkspur.

For Perennial Larkspur, see Delphinium, page 76

**LATHYRUS (See page 81)**

**LAVATERA (See page 81)**

**LAVENDER (See page 81)**

**LEPTOSYNE**

Maritima. Free flowering annual, blooming in six weeks after sowing; large, single yellow flowers; excellent for cutting

Large Pkt. Pkt.

	Large Pkt.	Pkt.
.....	\$0.40	\$0.10

**LOBELIA**

No garden is complete without an edging of blue Lobelia, and for a long season of bloom there is nothing that can take its place; also desirable for pots, banging baskets, etc.

Large Pkt. Pkt.

<b>Crystal Palace Compacta.</b> Very compact, deep blue, the best for edging .....	\$0.40	\$0.10
<b>Barnard's Perpetual.</b> Deep blue with white eye; trailing .....	.30	.10
<b>Crystal Palace Speciosa.</b> Of trailing habit, deep blue, fine for vases .....	.20	.05
<b>Sapphire.</b> A beautiful trailing variety; deep blue with white eye .....	.50	.20
<b>Emperor William.</b> Flowers sky blue, plants very compact .....	.30	.10
<b>Gracilis.</b> Of trailing habit, light blue .....	.20	.05
<b>White Gem.</b> Very compact, snow-white flowers.....	.30	.10
<b>Mixed.</b> All colors .....	.20	.05
<b>Cardinalis (Cardinal Flower).</b> Hardy perennial; tall spikes of bright scarlet flowers, very showy.....	.50	.10



Lobelia, Crystal Palace Compacta



Double Stock Flowered Larkspur

**LILY OF THE VALLEY (Convallaria Majalis)**

Lovely plants, bearing pure white, fragrant bell-shaped flowers early in spring

Large Pkt. Pkt.

	Large Pkt.	Pkt.
.....	\$0.40	\$0.10

**LINARIA (See Kenilworth Ivy)**

**LINUM (Scarlet Flax)**

Grandiflorum Rubrum. Ideal for bedding; dwarf and compact, with light green foliage and bright scarlet flowers; annual; 1 foot

	Oz., 25c.	.15	.05
.....			

**LOPHOSPERMUM**

Scandens. An ornamental annual climber, with showy rosy-purple flowers, resembling Foxgloves in shape; 10 feet

	.40	.10
.....	.40	.10



Annual Lupinus

LUPINUS (Lupin)

ANNUAL VARIETIES

Very popular, free flowering, easily grown plants of branching habit, with long spikes of pea-shaped flowers; excellent for cutting; will bloom in six weeks after sowing; 2 feet.

	Oz.	Large Pkt.	Pkt.
Pink Beauty. Delicate salmon pink.....	\$0.60	\$0.15	\$0.10
Blue .....	.50	.15	.05
Pink .....	.50	.15	.05
Scarlet, White Tipped .....	.50	.15	.05
White .....	.50	.15	.05
Yellow .....	.60	.15	.10
Mixed, All Colors .....	.40	.15	.05

PERENNIAL VARIETIES

Graceful spikes with pea-shaped flowers; excellent for cutting; May and June; 2 to 3 feet.

	Oz.	Large Pkt.	Pkt.
Polyphyllus Roseus. Pink .....	\$0.30	\$0.10	
Polyphyllus Somerset (New). Yellow .....	.40	.15	
Polyphyllus Blue .....	.15	.05	
Polyphyllus White .....	.15	.05	
Polyphyllus Mixed .....	.oz., 30c.	.15	.05

Ask for Cultural Leaflet No. 217 on the culture of Lupinus.

LYCHNIS

One of the finest hardy perennials; of easy culture; excellent for massing in large beds or borders.

	Oz.	Large Pkt.	Pkt.
Chalcedonica (Rose Campion). Fine scarlet cross-like flowers; 2 feet; July .....	.oz., 60c.	\$0.15	\$0.05
Arkwrightii (New). A cross between Lychnis Chalcedonica and Haageana. Many shades in orange, pink, cream, scarlet, to dark velvety maroon.....		.30	
Haageana. Brilliant, large, orange, scarlet, pink and crimson flowers, mixed; 1 foot; July .....		.40	.10

LYTHRUM

Roseum Superbum (Rose Loose Strife). A pretty hardy perennial; plants grow 3 feet high and produce spikes of rosy flowers from July to September.....

	.15	.10
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See pages 56 to 61 for valuable Novelties and Specialties in Flower Seeds.



Marigold—El Dorado

MARIGOLD (Tagetes)

These are old favorite free flowering annuals with rich and showy flowers, blooming all summer. The Tall African varieties are best for garden and cutting, while the Dwarf French varieties are better suited for bedding purposes.

AFRICAN VARIETIES

These are mostly of tall growth, from 2½ to 3 feet high.

	Oz.	Large Pkt.	Pkt.
El Dorado. Imbricated flowers of immense size, in all shades of yellow .....	.oz., 50c.	\$0.15	\$0.05
Orange Prince. Flowers very large, of a deep orange color .....	.oz., 75c.	.20	.10
Lemon Queen. Soft lemon yellow .....	.oz., 75c.	.20	.10
Orange Beauty (New). Large single flowers, the petals of which are beautifully frilled.....		.25	.10
Pride of the Garden. Dwarf, 18 inches, golden yellow .....	.oz., 60c.	.20	.10
Large African. Tall double mixed.....	.oz., 40c.	.15	.05
Imported Collection, 6 Varieties .....			.30

FRENCH VARIETIES

Dwarf Gold Striped. Double, brownish red striped golden yellow; 1 foot .....	.oz., 60c.	.15	.10
Legion of Honor (Little Brownie). Single flowers; golden yellow with a large spot of crimson velvet; 6 inches .....	.oz., 40c.	.15	.05
Liliput. Dwarf; excellent for pots; small double flowers; mixed colors; 4 inches.....	.oz., 75c.	.20	.10
Dwarf French Mixed. All colors; 1 foot.....	.oz., 40c.	.15	.05
Imported Collection, 6 Varieties .....			.30

See also CALENDULA and TAGETES



Marvel of Peru (Four O'Clocks)

**MARVEL OF PERU (Four O'Clock)**

**Choice Mixed.** Bushy plants of easy culture, producing hundreds of flowers during the entire summer; very showy in the garden; 2 feet ..... \$0.25 \$0.05

**MATRICARIA (See Feverfew)**

**MATTHIOLA** Large Pkt. Pkt.

**Bicornis (Evening Scented Stock).** A desirable annual, on account of its delightful fragrance during the evening; color, purplish lilac ..... \$0.15 \$0.05

**MAURANDIA**

A beautiful climber of rapid growth for baskets, vases and trellises; produces an abundance of tube-shaped flowers; 10 feet.

**Barclayana.** Purple ..... Large Pkt. Pkt. \$0.30 \$0.10  
**Choice Mixed** ..... 30 .10

**MESEMBRYANTHEUM**

Dwarf trailing annuals for rockeries, edgings and vases.

**Cordifolium Variegatum.** Variegated foliage; rose-colored flowers ..... Large Pkt. Pkt. \$0.50 \$0.10  
**Crystallinum (Ice Plant).** Singular icy foliage; flowers white ..... .15 .05  
**Tricolor (Wax Plant).** Various colors ..... .20 .05

**MIGNONETTE**

Valuable for cutting on account of its fragrance; sow in succession during the whole summer; may also be forced in greenhouses during winter.

**Michell's Colossal.** Foliage, stalks and flowers are very robust. The flower-spikes often average 18 to 24 inches; extremely fragrant ..... Large Pkt. Pkt. \$0.50 \$0.15  
**Allen's Defiance.** Spikes invariably attain a height of 12 to 15 inches; fragrant ..... oz., 60c. .20 .10  
**Bismarck.** Compact plant of strong growth, with stout spikes of large flowers ..... .25 .10  
**Machet.** Large reddish tinted, sweet scented flowers. oz., 50c. .15 .10  
**Golden Machet.** Large golden flowers ..... oz., 50c. .15 .10  
**Goliath.** Giant spikes of brilliant red flowers ..... .20 .10  
**Sutton's Giant.** Reddish buff, original pkts. .... .40  
**Miles' Spiral.** Flowers whitish ..... oz., 40c. .15 .05  
**Parson's White.** Fragrant white flowers ..... oz., 40c. .15 .05  
**Sweet Scented.** The popular garden sort ..... oz., 15c. .05  
**Collection, 8 varieties, our selection** ..... .50

Ask for Cultural Leaflet No. 204 on the growing of Mignonette.

**MIMOSA (See Sensitive Plant)**

**MIMULUS**

Showy, profuse flowering plants; fine for greenhouse or moist, shady situations; half hardy perennials, blooming the first year if sown early. Large Pkt. Pkt.

**Moschatus (Musk Plant).** Fine for hanging baskets; yellow flowers, fragrant foliage; 6 inches ..... \$0.40 \$0.05  
**Tigrinus (Monkey Flower).** Fine mixed tigered and spotted varieties; 1 foot ..... .40 .05

**MINA**

**Lobata.** Half hardy annual climber, of rapid growth, bearing racemes of flowers, the buds of which are orange red, but open orange yellow, and afterwards turn to creamy white ..... .30 .10

**MOMORDICA (See Balsam Apple)**

**MOONFLOWER (See Ipomoea)**

**MORNING GLORY (See Convolvulus)**

**MOURNING BRIDE (See Scabiosa)**

**MUSA ENSETE (Abyssinian Banana)**

A handsome tropical plant for planting individually or for the centre of beds; foliage broad and massive and very effective; 10 to 15 feet. Seeds should be started in hotbed or bottom heat in greenhouse. Per 10 seeds, 30c.; 60c. per 25 seeds.

ALLIANCE, OHIO.

Gentlemen: I received my order of seeds very promptly, and wish to thank you. Please send more order blanks, as I expect to buy from you right along. I think there is none like Michell's.

Yours truly, H. J. P.





Myosotis—Alpestris Victoria

MYOSOTIS (Forget-Me-Not)

Beautiful, half hardy perennials, blooming the first year from seed; succeeding best in moist, shady situations. Sown in the spring they will flower in the fall; if wanted for early spring flowering, seed should be sown in frames in July or August.

	Large Pkt.	Pkt.
Alpestris Victoria. Of bushy habit; bearing large bright blue flowers; very fine; 6 inches.....	\$0.30	\$0.10
Dissitiflora. Deep green foliage and attractive deep blue flowers .....	.40	.10
Eliza Fanrobert. Of strong growth, with clusters of large, bright blue flowers; 10 inches .....	.25	.10
Grandiflora Alba. Large white flowers; 8 inches.....	.25	.10
Grandiflora Rosea. Large pink flowers; 8 inches.....	.25	.10
Palustris. The true Forget-Me-Not; bright blue flowers; 8 inches .....	.40	.10
Palustris Semperflorens. Dwarf; blooms the entire season; deep blue .....	.40	.10
Royal Blue. This variety belongs to the upright pillar-shaped section; large deep blue flowers; 12 inches .....	.40	.10
Ruth Fischer. Plant of neat, compact habit; flowers extra large and of a lovely sky blue.....	.65	.25
Choice Mixed .....	.20	.05

NASTURTIUM (See page 86)

NEMESIA

	Large Pkt.	Pkt.
Strumosa Suttoni. A splendid annual, with large flowers varying in color from creamy white to deep orange and carmine; fine for bedding; 18 inches...	\$0.50	\$0.15

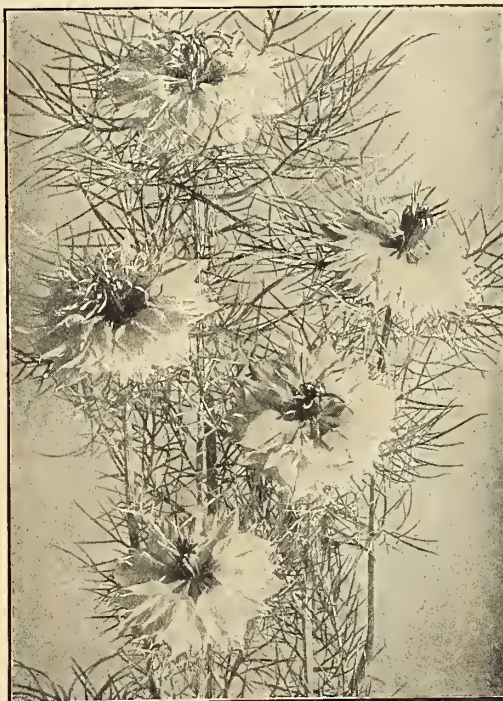
NEMOPHILA (Love Grove)

Mixed. Free-flowering annual, of dwarf, compact habit, with a profusion of cup-shaped, bright colored flowers; thrives best in a cool, shady situation; 1 foot .....	.15	.05
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NICOTIANA (Flowering Tobacco)

Extremely showy annual plants, giving a continuous display of brilliant flowers through the summer and autumn; plants are of branching habit; 2 to 3 feet high.

	Large Pkt.	Pkt.
Affinis. Fragrant, tube-shaped, pure white flowers..	\$0.15	\$0.05
Affinis Hybrida. Large, sweet scented flowers; colors range through creamy white and rose tints to bright red and crimson in mixture .....	.20	.10
Sanderae. An excellent variety, growing about 2 feet high; flowers of the most handsome carmine-red color; very fragrant .....	.20	.10
Sylvestris. A very ornamental variety with deep green leaves, and large, pure white fragrant drooping flowers; 4 feet .....	.15	.10



Nigella—Miss Jekyll

NIGELLA (Love in a Mist) Large Pkt. Pkt.

Damascena. Showy hardy annual of compact growth, with finely cut foliage and curious flowers, blue and white mixed; 1 foot .....	\$0.15	\$0.05
Miss Jekyll. A lovely variety, with long stems, and bearing a profusion of beautiful flowers of a clear cornflower blue; excellent for cutting; 18 inches...	.15	.10

NIEREMBERGIA

Frutescens. Half hardy perennial; excellent for greenhouse, baskets, vases, or bedding out; flowers white tinted with lilac; 1 foot .....	.20	.10
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OENOTHERA (Evening Primrose)

Mixed. Beautiful annual of easy culture, producing freely large, single Poppy-like flowers of various colors, which open early every evening and lasting well into the following day .....	.15	.05
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Nicotiana (Flowering Tobacco)

# Michell's Giant Flowering Nasturtiums

Nasturtiums are among the best known and most popular of hardy annuals, and within the past few years have been greatly improved in size, as well as in colors and markings. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well-drained soil.

## DWARF OR BEDDING (TOM THUMB)

Of dwarf, compact growth; excellent for borders or for bedding, forming plants about 1 foot high by 1 foot across.

	¼ lb.	Oz.	Pkt.
<b>Michell's Giant Flowering Mixed Dwarf.</b> This is one of the finest mixtures, composed of the largest and finest named varieties, and cannot be surpassed for brilliancy of color. Per lb., \$1.50	\$.50	\$.25	\$.10
<b>Choice Mixed.</b> Comprising a large variety of brilliant colors. Lb., \$1.00	.30	.15	.05
<b>Liliput Mixed.</b> A fine variety of very dwarf and compact growth, and producing in the greatest profusion flowers of many new and beautiful colors	.50	.20	.05
<b>Geranium Leaved.</b> Scarlet	.60	.20	.10
<b>Ivy Leaved Mixed.</b> Ivy-like, deep green foliage; flowers beautifully fringed and of a remarkable range of colors	.60	.20	.10
<b>Queen of Tom Thumbs, Mixed.</b> Silver variegated foliage; flowers in a great variety of colors	.60	.20	.10
<b>Queen of Tom Thumbs, Crimson.</b> Silver variegated foliage and rich, bright crimson flowers	.60	.25	.10
<b>Golden Foliage, Mixed.</b> The golden yellow foliage and the flowers of many colors make a beautiful contrast	.50	.15	.10
<b>David Burpee Spencer.</b> Compact plants with emerald-green leaves which are wavy and ruffled; flowers deep scarlet	.75	.30	.10
<b>Aurora.</b> Rich yellow, veined carmine	.40	.15	.05
<b>Beauty.</b> Yellow, with scarlet veinings	.40	.15	.05
<b>Bronze.</b> Burnished bronze color	.40	.15	.05
<b>Chameleon.</b> Produces various colors and markings on the same plant	.40	.15	.05
<b>Cloth of Gold.</b> Bright golden yellow leaves and brilliant scarlet flowers	.40	.15	.05
<b>Crystal Palace Gem.</b> Sulphur yellow, spotted maroon	.40	.15	.05
<b>Empress of India.</b> A splendid variety, with dark leaves and crimson flowers	.40	.15	.05
<b>Golden King.</b> Dark foliage; rich, golden yellow flowers	.40	.15	.05
<b>Golden Queen.</b> Foliage and flowers golden yellow	.40	.15	.05
<b>King of Tom Thumbs.</b> Dark green foliage; scarlet flowers	.40	.15	.05
<b>King Theodore.</b> Dark foliage; flowers crimson maroon	.40	.15	.05
<b>Lady Bird.</b> Rich orange yellow, with a red blotch at the base of the petals	.40	.15	.05
<b>Pearl.</b> Creamy white	.40	.15	.05
<b>Pink.</b> Soft rose color	.40	.15	.05
<b>Prince Henry.</b> Cream, spotted and tipped red	.40	.15	.05
<b>Scarlet.</b> Brilliant	.40	.15	.05
<b>Spotted.</b> Rich yellow, spotted crimson	.40	.15	.05
<b>Vesuvius.</b> Salmon rose	.40	.15	.05
<b>Yellow.</b> Bright shade	.40	.15	.05

## LOBB'S CLIMBING NASTURTiums (Tropaeolum Lobbianum)

These are exceedingly free-flowering and of the most brilliant colors, with neat dark green foliage; excellent for window boxes, vases, hanging baskets and rockeries; also for greenhouse or conservatory during the winter; 8 to 10 feet.

	¼ lb.	Oz.	Pkt.
<b>Choice Mixed.</b> Lobb's varieties, all colors. Per lb., \$1.25	\$.40	\$.15	\$.05
<b>Asa Gray.</b> Yellowish white	.50	.20	.05
<b>Brilliant.</b> Glowing scarlet flowers	.50	.20	.05
<b>Giant of Battles.</b> Sulphur yellow, blotched carmine	.50	.20	.05
<b>Golden Queen.</b> Golden yellow	.50	.20	.05
<b>Roi des Noirs.</b> Dark garnet red	.50	.20	.05
<b>Rudolph Virchow.</b> Soft rosy pink	.50	.20	.05
<b>Spitfire.</b> Brilliant scarlet	.50	.20	.05
<b>Collection.</b> One packet each of above 7 Lobb's varieties for 30c.			



## TALL OR CLIMBING NASTURTiums

For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; height, 8 to 10 feet.

	¼ lb.	Oz.	Pkt.
<b>Michell's Giant Flowering Mixed Tall.</b> This mixture cannot be excelled for large size and beautiful colors of the flowers. Composed of the largest and finest varieties. Per lb., \$1.50.	\$.50	\$.25	\$.10
<b>Choice Mixed.</b> Lb., \$1.00	.30	.15	.05
<b>Queen of Talls, Mixed.</b> Silver variegated foliage, flowers of all colors	.50	.15	.10
<b>Ivy Leaved Mixed.</b> Ivy-like, deep green foliage; flowers beautifully fringed	.50	.20	.10
<b>Hybrids of Mad. Gunther.</b> A special strain; all shades and colors. Per lb., \$1.25	.40	.15	.05
<b>Chameleon.</b> Produces different colored flowers on the same plant	.40	.15	.05
<b>Crimson.</b> Rich and velvety	.40	.15	.05
<b>Hemisphaericum.</b> Orange-salmon and scarlet	.40	.15	.05
<b>Jupiter.</b> Color, pure deep yellow, with crinkled petals; of immense size	.40	.15	.05
<b>King Theodore.</b> Dark foliage; flowers crimson maroon	.40	.15	.05
<b>Orange.</b> A deep shade	.40	.15	.05
<b>Prince Henry.</b> Cream, spotted and tipped red	.40	.15	.05
<b>Pearl.</b> Creamy white	.40	.15	.05
<b>Pink.</b> Soft rose color	.40	.15	.05
<b>Scarlet.</b> Very bright	.40	.15	.05
<b>Vesuvius.</b> Salmon pink	.40	.15	.05
<b>Yellow</b>	.40	.15	.05

### MICHELL'S COLLECTIONS OF NASTURTiums

One packet each 12 Dwarf Sorts	\$.50
One packet each 6 Dwarf Sorts	.25
One ounce each 12 Dwarf Sorts	1.40
One ounce each 6 Dwarf Sorts	.75
One packet each 12 Tall Sorts	.50
One packet each 6 Tall Sorts	.25
One ounce each 12 Tall Sorts	1.40
One ounce each 6 Tall Sorts	.75

Ask for Cultural Leaflet No. 219 on the growing of Nasturtiums.





**MICHELL'S**  
**Giant Flowering**  
**NASTURTIUMS**

In Mixture,  
Tall and Dwarf, each separate

Pkt. 10 cts. 0 $\frac{3}{4}$  lb. 25 cts.  
 $\frac{1}{4}$  lb. 50 cts. 1 lb. \$1.50

Post Paid.

MICHELL  
1918.

# MICHELL'S GIANT PANSIES



Michell's Giant Exhibition Pansy

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which pansies can be planted. If started in the house from February till April pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the fall; sown in frames during July and August and transplanted later gives us the main crop of flowers the following spring.

## PANSIES IN MIXTURES

	Large pkt.	Pkt.
<b>Michell's Giant Exhibition.</b> A blending of our own containing only the very choicest varieties and colors secured from the leading Pansy specialists; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Per oz., \$8.00; \$4.25 per 1/2 oz.; 1/4 oz., \$2.25; \$1.25 per 1/8 oz. ....	\$0.65	\$0.25
<b>Triumph of the Giant.</b> Immense flowers of great brilliancy and richness of coloring, including many new and rare shades. Per oz., \$10.00; \$3.00 per 1/4 oz. ....	.75	.50
<b>Bugnot, Odier and Cassier.</b> A superb mixture of giant blotched varieties ..... 1/8 oz. \$1.00	.65	.25
<b>Giant Trimardeau.</b> Very large flowering; all colors mixed ..... 1/4 oz. \$0.50	.40	.10
<b>Mad. Perrett.</b> Early flowering, fragrant, especially rich in red shades ..... 1/4 oz. \$1.25	.65	.25
<b>Masterpiece (Frisled Pansy).</b> Flowers beautifully curled or waved ..... 1/4 oz. \$1.50	.65	.25
<b>Odier or Blotched.</b> Beautiful strain. .... 1/4 oz. \$1.25	.65	.15
<b>Parisian Large Stained.</b> Choicest colors. .... 1/4 oz. \$1.00	.50	.15
<b>Finest English Mixed</b> ..... oz. \$1.50	.30	.10
<b>Very Fine Mixed</b> ..... oz. \$1.00	.20	.05
<b>Imported Collection.</b> 6 colors .....	.40	
<b>Imported Collection.</b> 12 colors .....	.75	

Ask for Cultural Leaflet No. 209 on the growing of Pansies.

## MICHELL'S GIANT PANSIES

### SEPARATE COLORS

A strain secured from the leading Pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture.

	1/4 Oz.	Large pkt.	Pkt.
<b>Giant Prize Azure Blue.</b> Violet blue .....	\$1.00	\$0.50	\$0.15
" " <b>Black Blue.</b> Dark velvety .....	1.00	.50	.15
" " <b>Emperor William.</b> Ultramarine blue .....	1.00	.50	.15
" " <b>Hortensia Red.</b> Scarlet .....	1.25	.50	.15
" " <b>King of the Blacks.</b> Black .....	1.00	.50	.15
" " <b>Lord Beaconsfield.</b> Violet .....	1.00	.50	.15
" " <b>Peacock.</b> Upper petals blue, lower petals deep claret; white margin .....	1.25	.50	.15
" " <b>Snow Queen.</b> Pure white .....	1.00	.50	.15
" " <b>Striped and Mottled</b> .....	1.00	.50	.15
" " <b>White with dark eye</b> .....	1.00	.50	.15
" " <b>Pure Yellow</b> .....	1.00	.50	.15
" " <b>Yellow with dark eye</b> .....	1.00	.50	.15

**SPECIAL OFFER.** We will send 6 packets of any of the above varieties of Giant Pansies for 75c.; or the entire 12 pkts. for \$1.40.

### PANSIES—Regular Sorts in Separate Colors

	Oz.	Large pkt.	Pkt.
<b>Belgian Striped.</b> Showy .....	\$2.25	\$0.30	\$0.10
<b>Emperor William.</b> Ultramarine blue .....	2.25	.30	.10
<b>Faust (King of the Blacks).</b> Almost black... ..	2.25	.30	.10
<b>Gold Margined.</b> Purple, golden edge.....	2.25	.30	.10
<b>Havana Brown</b> .....	2.25	.30	.10
<b>Lord Beaconsfield.</b> Violet .....	2.25	.30	.10
<b>Mahogany Colored</b> .....	2.25	.30	.10
<b>Silver Edged.</b> Purple, silver edge .....	2.25	.30	.10
<b>Snow Queen.</b> Pure white .....	2.25	.30	.10
<b>White with dark eye</b> .....	2.25	.30	.10
<b>Yellow Gem.</b> Pure yellow .....	2.25	.30	.10
<b>Yellow with dark eye</b> .....	2.25	.30	.10

**SPECIAL OFFER:** We will send 6 packets of any of the above varieties of regular sorts of Pansies for 50c.; or the entire 12 packets for 90c.

### FOR SCOTCH OR TUFTED PANSIES See VIOLA

**PARIS DAISY.** See Chrysanthemum

### PASSIFLORA (Passion Flower)

**Mixed.** Ornamental climbing plants for the green house or the garden, producing showy flowers in profusion ..... .25 .10

**PENNISSETUM, ORNAMENTAL GRASS.** (See page 79.)

**PAPAVER.** See Poppy.

### PENTSTEMON (Beard Tongue)

A beautiful perennial plant producing freely large spikes of handsome tubular flowers in almost every shade and color.

	Large pkt.	Pkt.
<b>Barbatus Torreyi.</b> Spikes of brilliant coral red, very effective; June to August; 3 to 4 feet.....	\$0.30	\$0.10
<b>Sensation.</b> Plants producing large spikes of gloxinia-like flowers of the most brilliant and varied colors; will bloom the first season if sown early; 2 feet; requires protection .....	.40	.15
<b>Mixed.</b> Producing large spikes of handsome flowers; 3 feet .....	.25	.05

### PERILLA

**Nankinensis.** Ornamental annual plants with dark purple foliage; 2 feet .....
 .15 | .05 |

Gentlemen: Easton, Pa.  
Your Pansy seed I bought last year produced the finest flowers I ever raised.  
Yours very truly, S. H.

# MICHELL'S PETUNIAS

There is no more deserving flower than the Petunia. Quick to bloom in the early summer, it gives us a bright display long after the first frost has wrought its damage; seeds must be carefully handled as they are extremely fine, but the plants are of easiest culture. We call especial attention to our Large Flowering strains, which for size and brilliancy of coloring cannot be surpassed.

## SINGLE FLOWERED PETUNIAS

Large Pkt. Pkt.

<b>California Giants.</b> One of the largest varieties; bright and desirable colors; strong robust plants .....	\$0.65	\$0.25
<b>Grandiflora Fringed.</b> Each petal of these giant flowers is delicately fringed and thus gives the flower a distinct appearance; all colors .....	.65	.20
<b>Ruffled Giants.</b> Immense large flowers, exquisitely ruffled and frilled.....	.65	.25
<b>Monstrosus (Michell).</b> Extra large flowers, many of which are elegantly fringed; the colorings, marking, veinings, etc., are superb .....	.75	.25
<b>Dwarf Large Flowering Fringed.</b> Compact plants, growing about 8 inches high, with large fringed flowers of many colors and shades .....		.30
<b>Adonis.</b> Rosy carmine with white throat..	.40	.10
<b>Dwarf Inimitable.</b> Of dwarf, compact habit; profuse bloomer; flowers striped..	.40	.10
<b>Enchantress.</b> A new dwarf variety, almost covered with flowers from early summer until killed by frost; the flowers are of many shades and colors.....	.40	.10
<b>Ideal (See illustration).</b> A dwarf, large flowered strain, with flowers of varied and exquisite coloring .....		.40
<b>Rosy Morn.</b> Dwarf, bushy plants bearing in great profusion brilliant rose-colored flowers with a white throat; excellent for pot culture .....	.40	.15



Petunia-Grandiflora Fringed

## DOUBLE FLOWERING PETUNIAS

As the seed of the double varieties is obtained by hybridization, it will not produce all double flowers, but the singles will be unusually fine. The weaker seedlings should receive great care, as they produce the finest double flowers.

<b>Double Fringed White.</b> Extra large, pure white, fringed flowers .....	\$0.75	\$0.25
<b>Double Fringed Mixed.</b> Selected and hybridized with the greatest care; flowers of large size, beautifully fringed and of choicest colors. Per 500 seeds, \$1.00 .....		.25

Ask for Cultural Leaflet No. 205 on the growing of Petunias.



Petunia—Ideal



Double Fringed Petunia

<b>Snowball.</b> A fine, compact sort with pure white flowers .....	\$0.40	\$0.10
<b>Star (Howard's).</b> A beautiful variety; produces a profusion of crimson-maroon flowers, with a distinct five-pointed white star.....	.40	.15
<b>Choice Mixed.</b> Striped and blotched .....	\$1.25	.30
<b>Fine Mixed.</b> All colors .....	\$0.90	.20
<b>Imported Collection.</b> Single fringed, 6 varieties....		.60



*Phlox Drummondii, Grandiflora*

**PHLOX DRUMMONDII**

One of our finest hardy annuals, and one of the easiest to grow, and for bedding or massing nothing can surpass them for their brilliancy and richness of color and profusion of bloom, which continues until frost.

**GRANDIFLORA VARIETIES**

An improved strain, with immense trusses of large, brilliant flowers; 12 to 15 inches.

	Large Pkt.	Pkt.
Alba. Pure white .....	\$0.30	\$0.10
Coccinea. Brilliant scarlet .....	.30	.10
Pink .....	.30	.10
Stellata Splendens. Scarlet with white eye.....	.30	.10
Choice Mixed. All colors .....	oz., \$1.00	.25 .10
Imported Collection. 12 varieties .....		.75

**DWARF VARIETIES**

These grow to the height of 6 to 8 inches, and produce dense masses of bloom all summer. Excellent for bedding or edging.

	Large Pkt.	Pkt.
Cecily, Mixed. Large flowering, dwarf compact variety, of many beautiful colors and shades.....	\$0.40	\$0.10
Crimson with White Eye .....	.30	.10
Deep Scarlet .....	.30	.10
Fire Ball. Brilliant scarlet .....	.30	.10
Pink .....	.30	.10
Snowball. Pure white .....	.30	.10
Violet with White Eye .....	.30	.10
Choice Mixed .....	¼ oz., 50c.	.30 .10

Ask for Cultural Leaflet No. 218 on the growing of Phlox Drummondii.

**VARIOUS PHLOXES**

	Large Pkt.	Pkt.
Fine Mixed. Free flowering; all colors. oz., 90c. ....	\$0.20	\$0.05
Double Mixed. Flowers with several rows of petals; fine for cutting.....	.30	.10
Star of Quedlinburg. Beautiful star-shaped flowers of various colors, with long pointed petals .....	.30	.10

**HARDY PHLOX**

**Decussata.** For a gorgeous show these are the most satisfactory of all perennials; plants 2 feet high; flowers in all bright colors; seed should be sown early in spring or as soon as gathered in the autumn; mixed colors ..... ¼ oz., 50c. 30 .10

**FOR HARDY PHLOX PLANTS**  
See Pages 141 and 142

**PHYSALIS (Chinese Lantern Plant)**

**Francheti.** An ornamental variety of the Winter Cherry, forming dense bushes about 2 feet high, and producing freely bright orange scarlet, lantern-like fruits; very interesting and attractive .....\$0.25 \$0.10

**PHYSOSTEGIA (False Dragon Head)**

One of the most beautiful of our summer flowering perennial border plants, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August.

	Large Pkt.	Pkt.
Virginia. Pink .....	\$0.20	\$0.10
Virginia Alba. White .....	.30	.10

**PINKS—See Carnations and Dianthus**

**PLATYCODON (Chinese Bell Flower)**

One of the best hardy perennials, bearing a profusion of large, bell-shaped flowers the whole season. Excellent for planting in borders or among shrubbery; 2 to 3 feet.

Grandiflorum Blue. Pkt., 5c.; 30c. per large pkt.
Grandiflorum White. Pkt., 5c.; 30c. per large pkt.
Japonicus Fl. Pl. ( <i>Double Japanese Bell Flower</i> ). Large, glossy, deep blue flowers. Pkt., 15c.; 50c. per large pkt.

**POLEMONIUM (Jacob's Ladder)**

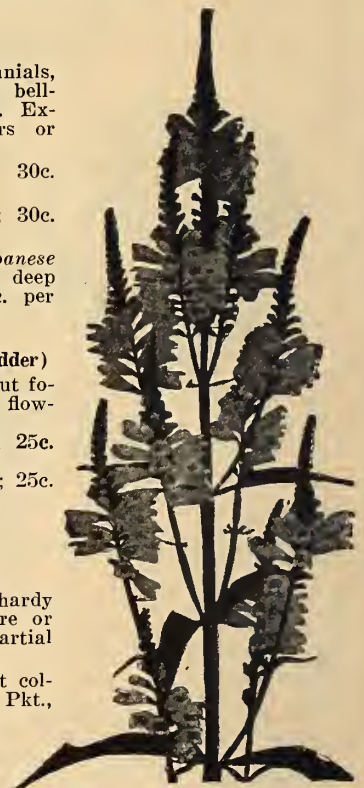
Hardy perennial with deeply cut foliage and clusters of handsome flowers; 2 feet.

Grandiflorum Blue. Pkt., 10c.; 25c. per large pkt.
Grandiflorum White. Pkt., 10c.; 25c. per large pkt.

**POLYANTHUS (Primula Elatior)**

Beautiful spring-flowering hardy perennials, either for pot culture or for garden; succeeds best in partial shade; 9 inches.

Gold Laced. Flowers of brilliant colors, with distinct yellow edge. Pkt., 15c.; 50c. per large pkt.
Double Mixed. Beautiful colors. Pkt., 15c.; 65c. per large pkt.
English Mixed. The best single. Pkt., 10c.; 30c. per large pkt.



*Physostegia*



Shirley Poppies



Double Poppy

## POPPY, ANNUAL VARIETIES

One of our favorite and most popular flowers, producing, during the blooming period, a profusion of brilliant colors and shades. Seeds should be sown where they are to remain, as they do not stand transplanting

### SINGLE ANNUAL POPPIES

	Large Pkt.	Pkt.
<b>Michell's Shirley.</b> An improved strain of this lovely race of poppies varying in color from pure white and delicate pink to rosy carmine and deep crimson, in mixture. A bed of these poppies produces a gorgeous effect .....	\$0.40	\$0.15 \$0.05
<b>Admiral.</b> Large flowers of pure white with broad band of scarlet at edge of each petal .....	.40	.15 .10
<b>Danebrog.</b> Flowers brilliant scarlet with a silvery-white spot on each petal; 2 feet .....	.25	.15 .05
<b>King Edward.</b> Deep scarlet, shaded crimson .....	.50	.15 .10
<b>Maid of the Mist.</b> Large white flowers beautifully fringed; 3 to 4 feet .....	.40	.15 .10
<b>Miss Sherwood.</b> Satiny white with upper half of corolla chamois rose .....	.40	.15 .10
<b>Tulip.</b> A beautiful poppy, resembling a large tulip; color a dazzling scarlet; 1 foot .....	.60	.15 .10
<b>Umbrosum.</b> Rich vermilion with a deep shining black spot on each petal; 2 feet .....	.30	.15 .05
<b>Collection, one packet each above 8 varieties.....</b>		.50

### PERENNIAL POPPIES

	Large Pkt.	Pkt.
<b>Giant Scarlet (<i>Bracteatum</i>).</b> Large flowers.....	\$0.15	\$0.10
<b>Iceland (<i>Nudicaule</i>).</b> Single Mixed. Colors range from white and yellow to deep orange scarlet; useful for cutting; if sown early they will bloom the first year; 12 inches .....	.25	.10
<b>Iceland, White</b> .....	.25	.10
<b>Iceland, Yellow</b> .....	.25	.10
<b>Iceland, Double Mixed.</b> 1 foot .....	.30	.10
<b>Orientele.</b> Extra large flowers; deep scarlet .....	.20	.10
<b>Orientele, Mrs. Perry.</b> Rich salmon pink.....	.50	.10
<b>Orientele, Beauty of Livermere.</b> Crimson with black blotch.....	.50	.10
<b>Orientele, Princess Victoria Louise.</b> Beautiful salmon pink .....	.50	.10
<b>Orientele, Hybrids.</b> Beautiful flowers of large size; mixed colors .....	.30	.10



Oriental Poppy

### DOUBLE ANNUAL POPPIES

	Oz.	Large pkt	Pkt.
<b>Carnation Flowered.</b> Double fringed, mixed....	\$0.20		\$0.05
<b>Crimson King.</b> Flowers perfectly round.....	.25	\$0.15	.05
<b>Fairy Blush.</b> Flowers white, elegantly fringed and tipped with rose; 2 feet .....	.25	.15	.05
<b>Mikado (<i>Striped Japanese</i>).</b> Double fringed flowers, white striped with crimson; 18 in..	.25	.15	.05
<b>Paeony Flowered White</b> .....	.40	.15	.05
<b>Paeony Flowered Yellow.</b> Very fine .....	.40	.15	.05
<b>Paeony Flowered Scarlet</b> .....	.40	.15	.05
<b>Paeony Flowered Mixed.</b> Immediate double flowers, resembling a Paeony; 2 feet.....	.20		.05
<b>Double Shirley.</b> Double large flowers, mixed..	.25	.15	.05
<b>Imported Collection.</b> Double Paeony flowered; 6 varieties .....			.30



Single Portulaca  
**PORTULACA**

Dwarf-growing plants of easy culture; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors.

	Large pkt.	Pkt.
Double Mixed. All colors.....	1/4 oz., 6oc.	\$0.30 \$0.10
Single Mixed. All colors.....	1/4 oz.,	.50 .15 .05
Imported Collection. 8 Double varieties .....		.50
Imported Collection. 8 Single varieties .....		.25

**PRIMULA**  
**FRINGED CHINESE PRIMROSE**

These are among our finest winter and spring blooming pot plants. Our strains have won many first prizes.

**Michell's Prize Mixture.** This mixture contains only the finest sorts selected from the best strains..

	Large pkt.	Pkt.
Duchess. Large; white with zone of rosy carmine, yellow eye .....	.75	.40
Alba Magnifica. White flowers with yellow eye. ....	.75	.40
Chiswick Red. Brilliant red.....	.75	.40
Holborn Blue. A beautiful shade.....	.75	.40
Kermesina Splendens. Crimson.....	.75	.40
Pink Pearl (New). Brilliant pink .....	.40	.40
Rosy Morn. Delicate pink.....	.75	.40
Stellata (Sutton's). Excellent pot plant; mixed.....		1.00
Fern Leaved. Choicest mixed colors.....	.75	.25
Imported Collection. 8 varieties.....		.75

**PRIMULA OBCONICA GIGANTEA**

A great improvement over the old type; flowers much larger, and produced in greater abundance.

	Large pkt.	Pkt.
Lilacina. Pale lilac .....	\$0.65	\$0.20
Rosea. Pink .....	.65	.20
Kermesina. Crimson .....	.65	.20
Alba. White .....	.65	.20
Hybrida Mixed .....	.65	.20

**PRIMULA—(Continued)**

**PRIMULA OBCONICA GRANDIFLORA**

<b>Compacta.</b> Dwarf, compact plants with dense heads of large rosy lilac flowers.....	Large pkt.	Pkt.
	\$0.65	\$0.25
<b>Fimbriata.</b> Flowers fringed; mixed colors.....	.65	.15
<b>Vesuvius.</b> Deep crimson.....	.65	.25
<b>Crispa.</b> Large flowers, which are crisped or curled making them very attractive; color, from apple blossom pink to rose.....	.65	.20

**PRIMULA VARIOUS SORTS**

<b>Primula Kewensis</b> ( <i>Verbena Scented Yellow Primrose</i> ). Spikes each 12 to 18 inches long; color, soft yellow.....	.65	.25
<b>Buttercup.</b> Yellow flowers; fine for pots .....	.65	.25
<b>Forbesi</b> ( <i>Baby Primrose</i> ). Small flowers; fine for pots; color, rosy lilac .....	.65	.15
<b>Malacoides.</b> Resembles <i>Primula Forbesi</i> , but the flowers are much larger; if grown in a greenhouse it will bloom in four to five months after sowing; color, a pretty light lilac .....	.65	.20
<b>Malacoides Alba.</b> Flowers pure white .....	.65	.20
<b>Malacoides Rosea.</b> Light rose to carmine rose .....	.65	.20
<b>Malacoides Superba.</b> Deep rosy pink.....		.25

**HARDY PRIMROSES**

<b>Cortusoides Sieboldii.</b> Hardy perennial variety; should have slight protection during the winter; also fine for pots; mixed colors.....	.65	.15
<b>Veris</b> ( <i>English Cowslip</i> ). Hardy perennial; fragrant; mixed .....	.30	.10
<b>Vulgaris</b> ( <i>English Primrose</i> ). The common hardy English variety; canary yellow.....	.40	.10

Ask for Cultural Leaflet No. 206 on the growing of Primulas.



Michell's Prize Chinese Primula



Pyrethrum—Double

**PUERARIA THUNBERGIANA**

(Kudzu Vine) Large Pkt. Pkt.  
 One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy purple pea-shaped blossoms....\$0.20 \$0.10

**PYRETHRUM**

**FOLIAGE SORTS FOR BEDDING**

Foliage plants used for edging of ornamental beds; leaves are finely cut and of a golden yellow color. Large Pkt. Pkt.  
**Aureum (Golden Feather).** Bright golden yellow foliage; 8 inches oz., 50c. \$0.15 \$0.10  
**Selaginoides.** Golden yellow, fern-like foliage ..... .20 .10

**FLOWERING SORTS**

Handsome hardy perennial plants for the herbaceous border; flowers showy and excellent for cutting.

Large Pkt. Pkt.  
**Roseum.** Flowers bright rose color; July; 2 ft...\$0.30 \$0.10  
**Uliginosum.** Large, single white flowers; September; 3 to 4 ft..... .30 .10  
**Hybridum Single Mixed.** Large flowers ranging in color from light pink to deep red, with bright yellow centres; July; 2 feet ..... .30 .10  
**Hybridum Double Mixed..** .65 .25



Pueraria Thunbergiana

See pages 56 to 61 for valuable Novelties and Specialties in Flower Seeds

**RICINUS (Castor Oil Bean)**

These ornamental plants are used with great effect on lawns, as centrepieces in flowering beds such as cannas, etc.



Ricinus (Castor Oil Bean)

	Oz.	Pkt.
<b>Borboniensis.</b> Beautiful green foliage; 15 feet.....	\$0.20	\$0.05
<b>Cambodgensis.</b> Large leaves, dark bronze-maroon; stalk and stems nearly black; 5 feet.....	.20	.05
<b>Gibsoni.</b> Deep red foliage; 5 feet.....	.20	.05
<b>Sanguineus.</b> Blood-red stalks and clusters of red fruit; 8 feet .....	.20	.05
<b>Zanzibariensis.</b> Enormous leaves, varying in color from light green to purplish red; 12 feet.....	.20	.05
<b>Mixed.</b> All sorts .....	.20	.05

**RHODANTHE (Everlasting Flower)**

A beautiful annual, for the garden or for pot culture; 1 foot

	Large Pkt.	Pkt.
<b>Double Pink.</b> Fine for cutting.....	\$0.30	\$0.10
<b>Mixed</b> .....	.20	.05

**RUDBECKIA (Coneflower)**

Tall growing plants, flowering profusely all summer.

<b>Bicolor Superba.</b> Yellow flowers with brown disc in centre; annual; 2 feet .....	\$0.15	\$0.10
<b>Newmani.</b> Large yellow flowers with black centre; perennial; 3 feet; all summer.....	.40	.10
<b>Purpurea (Giant Purple Coneflower).</b> Hardy perennial; showy reddish purple flowers, with dark brown disc; 3 feet .....	.30	.10



Rudbeckia Purpurea



**SALVIA (Scarlet Sage)**

This popular bedding plant is impossible to be replaced. There is nothing more effective in the midsummer or fall than these bright scarlet flowers. Seeds should be started either in the house or in hotbeds from February till April.

	Large Pkt.	Pkt.
<b>America (New).</b> Of dwarf, bushy, compact growth, and very uniform in height and shape. A free and continuous bloomer; large spikes of brilliant scarlet flowers ..... 1/4 oz., \$4.00	\$0.65	\$0.25
<b>Michell's Scarlet Glow.</b> A new variety of great merit, and an improvement on the Zurich; dwarf and compact; produces early in the season a mass of bright scarlet flowers .....	.40	.15
<b>Bonfire (Clara Bedman).</b> Compact bushy plants, 2 feet high, producing innumerable erect spikes of the most brilliant scarlet flowers..... 1/4 oz., 75c.	.30	.10
<b>Ball of Fire.</b> A dwarf early flowering variety with long spikes of brilliant scarlet flowers; excellent for borders; 18 inches .....	.40	.15
<b>Zurich.</b> One of the earliest flowering of all salvias; plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost; height 18 inches.....	.40	.15
<b>Ostrich Plume.</b> The habit of the plant is similar to the well-known Splendens variety; the spikes of flowers resemble a plume, and are of the brightest scarlet .....	.65	.25
<b>Splendens.</b> Tall growing plants with bright scarlet flowers; height, 3 feet..... 1/4 oz., 50c.	.30	.10
<b>King of Carpets.</b> Exceedingly dwarf growing plants with small foliage and an abundance of flowers; color, bright scarlet; very showy and distinct	.40	.15
<b>Patens.</b> Bright blue flowers of large size; height, 2 feet .....	.40	.15
<b>Azurea Grandiflora.</b> A hardy perennial variety producing during August and September spikes of pretty sky-blue flowers; 2 feet.....	.30	.10
<b>Farinacea.</b> A perennial variety, but best treated as an annual, blooming from July to frost from spring sown seed; color, light blue; 2 feet.....	.30	.10

Ask for Cultural Leaflet No. 210 on the growing of Salvia.

**SANVITALIA**

	Large pkt.	Pkt.
<b>Procumbens Fl. Pl.</b> Dwarf annual with bright yellow, double flowers; useful for edgings, or vases, baskets, etc.; 6 inches.....	.25	.10

See our Collections of Popular Old-Fashioned Flowers, Page 54.

**SALPIGLOSSIS (Painted Tongue)**

Easy growing annual plants with large funnel-shaped flowers, beautifully tinted and veined in rich shades; blooms from early summer until late fall; 18 inches.

	Large Pkt.	Pkt.
<b>Crimson and Gold</b> .....	\$0.40	\$0.10
<b>Primrose</b> .....	.40	.10
<b>Purple and Gold</b> .....	.40	.10
<b>Rose and Gold</b> .....	.40	.10
<b>Scarlet and Gold</b> .....	.40	.10
<b>White and Gold</b> .....	.40	.10
<b>Choice Mixed.</b> All colors .....	.25	.05
<b>Collection.</b> One packet each above 6 varieties.....		.50
<b>Emperor Mixed.</b> A new type, having only one main stem, and bearing on its summit a large number of beautiful flowers, each one richly veined with gold .....	.40	.10



Scabiosa Grandiflora

**SCABIOSA (Mourning Bride)**

Magnificent hardy annuals of easy cultivation, blooming freely through the summer and autumn. They are very decorative for beds or borders in the garden and are invaluable for cutting.

**GRANDIFLORA VARIETIES**

Flowers large and very showy, on stalks fully 2 feet high.

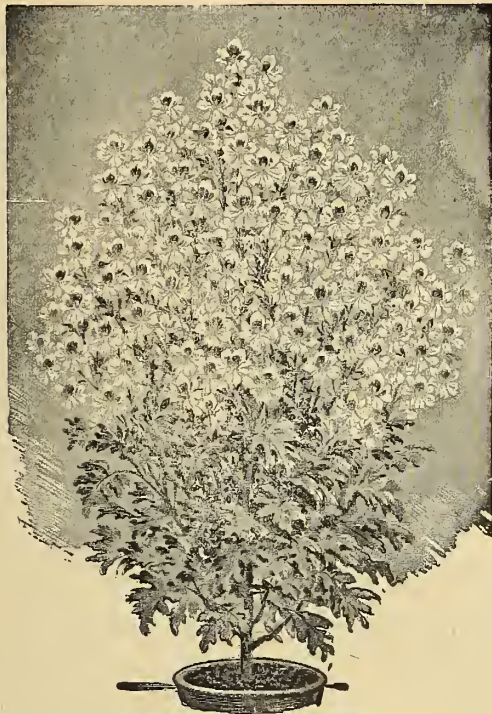
	Large Pkt.	Pkt.
<b>Azure Fairy.</b> Light heavenly blue.....	\$0.20	\$0.10
<b>Cherry Red</b> .....	.20	.05
<b>Crimson.</b> Rich shade .....	.20	.05
<b>Flesh Pink.</b> Delicate shade .....	.20	.05
<b>King of Blacks.</b> Deep maroon, almost black.....	.20	.05
<b>Pompador.</b> Deep purple, edged with white.....	.20	.05
<b>Rose.</b> Soft rose color .....	.20	.05
<b>Pure White</b> .....	.20	.05
<b>Collection,</b> one packet each 6 colors.....		.25
<b>Finest Mixed</b> .....oz., 60c.	.15	.05
<b>Dwarf Double Mixed.</b> Plants grow but 12 inches high; all colors .....	.15	.05

**HARDY PERENNIAL VARIETIES**

Handsome perennial border plants flowering the entire season.

	Large Pkt.	Pkt.
<b>Caucasica.</b> Soft blue .....	\$0.50	\$0.10
<b>Caucasica Alba.</b> Pure white .....	.50	.10
<b>Japonica.</b> Lavender .....	.25	.10





Schizanthus—wisetonensis

**SCHIZANTHUS (Butterfly Flower)**

One of our finest hardy annuals; of easy culture in any good garden soil and bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of Orchids; they are also useful as pot plants for late winter and spring blooming; for this purpose sow in autumn.

	Large Pkt.	Pkt.
<b>Grandiflorus Maximus.</b> Extra large flowers of many colors and shades .....	\$0.25	
<b>Hybridus Grandiflorus.</b> Forms compact pyramidal plants covered with flowers of many shades of orchid-like appearance; 12 inches .....	\$0.25	.10
<b>Pink Beauty.</b> A beautiful shade of rose pink; a pure self without any markings; very effective as pot plants for grouping .....		.50
<b>Wisetonensis.</b> A showy variety, largely used as a pot plant for the house or conservatory; bears a profusion of flowers ranging from white with yellow centre to pink with brown centre; 1½ feet....	.50	.20
<b>Mixed.</b> Various colors .....	.15	.05

**SENSITIVE PLANT (Mimosa)**

<b>Pudica.</b> Curious and interesting annual plants with pinkish white flowers; the leaves close or droop when touched or shaken; 18 inches .....	.15	.05
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**SHAMROCK**

<b>True Irish.</b> Small leaved variety.....	.30	.10
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**SHASTA DAISY. See Chrysanthemum**

**SILENE (Catchfly)**

Bright colored, free flowering annuals, suitable for rockwork or open borders.

	Large Pkt.	Pkt.
<b>Pendula, Dwarf Rose</b> .....	\$0.15	\$0.05
<b>Pendula, Dwarf White</b> .....	.15	.05
<b>Armeria, Mixed</b> .....	.15	.05

**SMILAX**

<b>A greenhouse climber of great value for floral decorations; seed should be soaked 24 hours in warm water before sowing; 10 feet .....</b>	.15	.10
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**SNAPDRAGON. See Antirrhinum**

**SOLANUM**

Ornamental plants for winter decoration; of dwarf branching habit; bears a profusion of bright berries; 1 foot.

<b>Capsicastrum (Jerusalem Cherry).</b> Bright scarlet globular berries; 1 foot .....	oz., 50c.	\$0.15	\$0.10
<b>Fra Diavola.</b> Of dwarf branching habit, with leaves and fruit somewhat smaller than the above variety .....		.20	.15

**STATICE (Sea Lavender)**

	Large Pkt.	Pkt.
<b>Latifolia.</b> Splendid hardy perennial plants, either for the border or rockery, producing all summer panicles of small flowers, which can be dried and used for winter bouquets. Large deep blue flowers; 2 feet. .	\$0.30	\$0.10
<b>Suworowl.</b> An annual variety, with pink flowers; 1 foot .....	.30	.10

**STEVIA**

<b>Serrata.</b> Free blooming plants for summer or winter; bearing a profusion of fragrant white flowers; 2 feet .....	.25	.10
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**STIPA, Ornamental Grass. (See page 79)**

**STOCK. (See page 95)**

**STOKESIA (Cornflower or Stokes' Aster)**

Plants grow about 15 to 18 inches high, bearing freely from July to October handsome Centaurea-like blossoms, each measuring from 4 to 5 inches across; it is of easy culture, and one of the most desirable plants for the hardy border, and excellent for cutting.

	Large Pkt.	Pkt.
<b>Cyanea.</b> Light blue .....	\$0.25	\$0.10
<b>Cyanea Alba.</b> Pure white .....	.30	.10

**STRAWFLOWER See Helichrysum**

**MICHELL'S CULTURAL LEAFLETS**

We have prepared the following Cultural Leaflets especially for the benefit of the amateur, or, in fact, for any who may want them, giving instructions how to grow the same successfully from seed. These leaflets are free.

201. Antirrhinum.	208. Zinnia.	215. Cyclamen.
202. Aster.	209. Pansy.	216. Larkspur
203. Cineraria.	210. Salvia.	(Annual).
204. Mignonette.	211. Stock.	217. Lupinus.
205. Petunia.	212. Perennials.	218. Phlox Drum.
206. Primula.	213. Carnation.	219. Nasturtium.
207. Verbena.	214. Cosmos.	220. Begonia.



Stokesia Cyanea

# 94 MICHELL'S SPENCER OR ORCHID SWEET PEAS

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. Though but a few years old they are fast supplanting the older type. They are distinguished from the standard sorts by the enormous flowers with crinkled and wavy petals, and also from the fact that they usually bear four blossoms on a stem.

## BLUE AND PURPLE

Captain of the Blues Spencer. Standard	Pkt.	Oz.	¼ lb.	Lb.
purple; wings blue	\$.10	\$0.30	\$0.85	\$3.00
Lord Nelson Spencer. Navy blue	.10	.30	.85	3.00
Royal Purple. Rich purple	.10	.60	2.00	6.00
Wedgwood. A lovely self-blue	.10	.50	1.50	5.00

## DEEP PINK OR ROSE

Apple Blossom Spencer. Rose and pink	.10	.25	.75	2.50
Edith Taylor. Bright salmon rose	.10	.50	1.50	4.75
George Herbert. Rose carmine	.10	.25	.75	2.50
Rosabelle. Giant rose	.10	.30	.85	3.00

## LAVENDER

Asta Ohn Spencer. Rich lavender	.10	.25	.75	2.50
Flora Norton Spencer. Light lavender	.10	.25	.75	2.50
Florence Nightingale. The largest and best lavender	.10	.30	.85	3.00
Frank Dolby. Light lavender	.10	.20	.60	2.00
Lavender George Herbert. Bluish lavender	.10	.30	.85	3.00
Margaret Madison Improved. Light lavender or azure blue	.10	.50	1.50	4.75

## LIGHT PINK

Blanche Ferry Spencer. Large flowers; pink and white	.10	.25	.75	2.50
Countess Spencer. A lovely clear pink, shading deeper at the edge	.10	.25	.75	2.25
Elfrida Pearson. Light pink, margined with darker pink	.10	.40	1.25	3.75
Florence Morse Spencer. Delicate blush, with pink margin	.10	.25	.75	2.50
Gladys Unwin. Delicate pink	.10	.15	.50	1.50
Henrietta. Light rose pink on a cream ground	.25	2.50		
Hercules. Giant pure pink	.10	.40	1.25	3.75
Lovely Spencer. Deep pink, shading to blush	.10	.25	.75	2.50
Miriam Beaver. Light apricot and buff	.10	.50	1.50	5.00
Mrs. Cuthbertson. Standard rose pink; wings blush white	.10	.30	.85	3.00

## MAROON

King Manoel. Rich maroon	.10	.50	1.50	5.00
Marks Tey. Purplish maroon	.10	.50	1.50	5.00
Nubian. Maroon or deep chocolate self	.10	.30	.85	3.00
Othello Spencer. Deep maroon	.10	.30	.85	3.00

## ORANGE AND SALMON

Helen Lewis. Orange pink	.10	.25	.75	2.50
Hilary Christie. Standard salmon orange; wings rosy salmon	.15	.75	2.25	7.50
Illuminator. Rich salmon pink	.10	.50	1.50	5.00
Margaret Atlee. Light salmon pink on cream ground	.10	.50	1.50	5.00
Mrs. Hugh Dickson. Salmon pink on cream ground	.10	.25	.75	2.50
Robert Sydenham. Orange	.10	.75	2.25	7.50

## PRIMROSE OR LIGHT YELLOW

Dobbie's Cream. Deep cream or primrose yellow	.10	.25	.75	2.50
Henry Ohn. Rich cream pink	.10	.60	2.00	6.00
Primrose Spencer. Light yellow	.10	.25	.75	2.50

## SCARLET

Edward Cowdy. Orange scarlet	.10	.60	2.00	6.00
Fiery Cross. Large, intense orange scarlet	.15			
King Edward Spencer. Crimson scarlet	.10	.25	.75	2.50
President. Glowing scarlet self	.15	2.50		
Thomas Stevenson. Orange scarlet	.10	.30	.85	3.00
Vermilion Brilliant. Intense scarlet	.10	.50	1.50	5.00

## STRIPED AND FLAKED

American Spencer. Red flakes on white ground	.10	.25	.75	2.50
Helen Pierce Spencer. White mottled light blue	.10	.50	1.50	5.00
Scintillator. Striped and flaked orange rose on a cream ground	.25	2.50		

## WHITE

Constance Hinton. Large white, black seeded	.10	.60	2.00	6.00
King White. Gigantic flowers; pure white	.10	.40	1.25	4.00
Nora Unwin. Large pure white	.10	.15	.50	1.50
White Spencer. Pure white	.10	.25	.75	2.25

## MICHELL'S SUPERB SPENCER MIXTURE

A mixture that cannot be surpassed. Blended by ourselves from only the Giant Waved Spencer varieties in proportions of bright colors and including a number of new hybrids of exquisite colors and shades. We are sure this mixture will give absolute satisfaction. Per pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.



## WINTER FLOWERING SPENCER OR ORCHID SWEET PEAS

Especially adapted to forcing in greenhouses.

**Rose Queen.** One of the finest varieties yet introduced. Flowers are borne freely on long stems, are of large size, and usually four flowers are produced on a stem. Color, a most attractive shade of pink. Pkt., 50c.; \$1.50 per ¼ oz.; per oz., \$4.50.

**Yarra.** Flowers exquisitely waved, and of large size, many of them being duplex or double. Color, a pleasing shade of bright rose pink with lighter wings. Pkt., 15c.; \$1.25 per oz.; per ¼ lb., \$4.00.

	Pkt.	¼ Oz.	Oz.
Early Meadow Lark. Rich deep cream or primrose color	\$.25		
Early Liberty. Deep sunproof crimson	.25		
Early Songster. A very attractive lavender shade	.25		
Early Warbler. Rich mauve purple	.25	\$2.00	
Early Sunset. Rich mauve pink on white ground	.25	2.00	
Early Heatherbell. Beautiful mauve lavender	.25	.75	\$2.25
Early Spring Maid. Light pink on a cream ground	.25	.75	2.25
Early Song Bird. Pale pink on white ground	.25	.75	2.25
Early Melody. Rose pink on white ground	.25	.75	2.25

	Pkt.	Oz.
Mrs. A. A. Skaach. Clear, light pink	\$.25	\$1.25
Mrs. M. Spanolin. Pure white	.25	1.25
Pink and White Orchid	.25	1.25
White Orchid	.25	1.25
Lavender Pink Orchid	.25	1.25
Mrs. William Sim Orchid. Salmon pink	.25	1.25
Lavender Nora	.15	.60
Red Orchid	.25	1.25
Venus. White, blushed pink	.25	1.25
Mixed Colors	.15	1.25



**MICHELL'S**  
**Superb**  
**Spencer (Orchid Flowered)**  
**Mixture SWEET PEAS.**

Pkt.	Oz.	¼lb.	1lb.
10cts	20cts.	60cts.	\$ 2. <sup>00</sup>

The above shows only a small proportion of colors that will be found in our splendid mixture of Spencer Sweet Peas.

# MICHELL'S GRANDIFLORA SWEET PEAS

## SWEET PEAS IN MIXTURE

The mixtures offered below have been made by ourselves and should not be compared with some of the cheap mixtures advertised.

### MICHELL'S SUPERB SPENCER OR ORCHID FLOWERED MIXTURE

This is blended from only the Giant Waved Spencer varieties, including a number of new hybrids of exquisite colors and shades; we feel sure this mixture will give absolute satisfaction.

Price: 10c. per pkt.; per oz., 20c.; 60c. per ¼ lb.; per lb., \$2.00.

### MICHELL'S GILT EDGE MIXTURE

This mixture contains the Grandiflora or large flowering varieties, and represents almost every color and shade in Sweet Peas.

Price: 5c. per pkt.; per oz., 10c.; 30c. per ¼ lb.; per lb., \$1.00.

### DWARF CUPID VARIETIES MIXED

Compact plants growing 6 to 7 inches high and 12 to 15 inches in diameter, and from June until late summer are literally a sheet of bloom; excellent for edgings or pot culture.

Price: 5c. per pkt.; per oz., 15c.; 50c. per ¼ lb.; per lb., \$1.50.

## SEPARATE COLORS

The varieties we offer below have been selected from a large list and embrace only the very best large flowering sorts.

Our Booklet "How to Grow Sweet Peas" included in all orders if requested.

### WHITE

	Oz.	¼ lb.	Lb.
Blanche Burpee. Large, pure white.....	\$0.15	\$0.40	\$1.25
Dorothy Eckford. Extra large, white.....	.15	.40	1.25

### PRIMROSE AND YELLOW

Hon. Mrs. E. Kenyon. Primrose yellow .....	.15	.40	1.25
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### ROSE AND PINK

Blanche Ferry. Pink and white.....	.15	.40	1.25
Lovely. Soft shell pink .....	.15	.40	1.25
Prima Donna. Lovely soft pink.....	.15	.40	1.25

### ORANGE

Miss Wilmott. Deep orange pink.....	.15	.40	1.25
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### LAVENDER

Countess of Radnor. Pale lavender .....	.15	.40	1.25
Lady Grisel Hamilton. Pale lavender .....	.15	.40	1.25
Flora Norton. Delicate lavender .....	.15	.40	1.25

### CRIMSON AND SCARLET

King Edward VII. Crimson scarlet .....	.15	.40	1.25
Queen Alexandra. Large scarlet .....	.15	.40	1.25

### BLUE AND PURPLE

Lord Nelson. Rich navy blue .....	.15	.40	1.25
Navy Blue. Deep violet blue .....	.15	.40	1.25

### MAROON

Othello. Very dark maroon .....	.15	.40	1.25
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Price, any of the above Varieties, 5c. per packet.

### SPECIAL COLLECTIONS OF SWEET PEAS

One packet each 15 above named varieties.....	\$0.50
One ounce each 15 above named varieties.....	1.50



## MICHELL'S CHRISTMAS OR WINTER FLOWERING SWEET PEAS

The following varieties can be successfully grown outdoors in summer, but are especially desirable for forcing in greenhouse for winter blooming.

	Pkt.	Oz.	¼ lb.
Michell's Snowdrift. Pure white; black seeded; extra early; large flowers .....	\$0.10	\$0.35	\$1.00
Blanche Ferry, Extra Early. Pink and white..	.05	.15	.50
Christmas Meteor. Scarlet .....	.10	.20	.60
" Pink. Pink and white .....	.10	.20	.60
" White. (Florence Denzer).....	.10	.20	.60
Earliest of All. Pink and white.....	.05	.15	.50
Le Marquis. Large dark blue.....	.10	.20	.60
Mont Blanc. Pure white .....	.05	.15	.50
Mrs. Alex. Wallace. Lavender.....	.10	.20	.60
Mrs. Chas. H. Totty. Lavender.....	.10	.20	.60
Mrs. F. J. Delansky. Daybreak pink.....	.10	.20	.60
Mrs. Geo. Lewis. Pure white.....	.10	.20	.60
Mrs. William Sim. Salmon pink.....	.10	.20	.60
Mrs. W. W. Smalley. Satin pink.....	.10	.20	.60
Watchung. Pure white .....	.10	.20	.60
Mixed. Winter flowering .....	.10	.20	.60

For Spencer or Orchid Flowered Sweet Peas see page 94.

Our Booklet "How to Grow Sweet Peas" included in all orders if requested.

### NITROGEN-GATHERING BACTERIA

Ideal preparation for treating sweet peas seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period.

Mulford's Cultures. Per bottle, 25c. and 50c.

# MICHELL'S "DISTINCTIVE" STOCKS 95

The stock is one of the most popular and highly prized of our cultivated flowers, either for the garden or for pot culture. The charming colors, delightful fragrance and free blooming character, have made them favorite plants for both summer and winter cultivation. The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

## MICHELL'S FLOWER MARKET STOCK

This is the ideal stock for either garden, cutting or forcing under glass. Plants branch freely and produce from 10 to 15 heavy spikes of extra large perfect flowers; height, 2 feet.

	Large Pkt.	Pkt.		Large Pkt.	Pkt.
White	\$.040	\$.015	Dark Blue	\$.040	\$.015
Rose Pink	.40	.15	Blood Red	.40	.15
Light Blue	.40	.15	Mixed	.40	.15

## MICHELL'S COLUMN STOCK

Stout plants produce just one giant spike, lined with mammoth flowers; height, 3 feet.

	Large Pkt.	Pkt.
Pure White	\$.040	\$.015
Blood Red	.40	.15

## LARGE FLOWERED DWARF TEN-WEEK STOCK

	Large Pkt.	Pkt.		Large Pkt.	Pkt.
Blood Red	\$.030	\$.010	White	\$.030	\$.010
Light Blue	.30	.10	Yellow	.30	.10
Pink	.30	.10	Mixed	.30	.10
Purple	.30	.10			

## VARIOUS STOCKS

<b>Bismarck.</b> A splendid sort for cutting; immense pure white flowers are regularly lined along a colossal spike (often 30 inches in length, with many side shoots)	\$.040	\$.015
<b>Brompton or Winter.</b> Fine for forcing under glass or early summer flowering outdoors	.40	.10
<b>Princess Alice</b> ( <i>Cut and-Come-Again</i> ). Branching plants with double pure white flowers; fine for cutting	.40	.10
<b>Wall-flower Leaved.</b> Glossy deep green foliage with flowers in all shades	.30	.10
<b>White Lady.</b> A new Winter Stock, with large double flowers of a lustrous snowy white	.40	.25
<b>Virginian Mixed.</b> Free flowering and easily grown.	.15	.05

Ask for Cultural Leaflet No. 211 on the growing of Stocks.



Michell's "Nice" Stock

## MICHELL'S "NICE" STOCK

An early flowering strain; remarkably free bloomer, producing an abundance of large double, fragrant flowers on a single plant; fine for garden bedding or cutting.

**Abundance.** Of dwarf spreading habit, bearing a profusion of flowers; color, a beautiful shade of carmine rose. Pkt., 15c.; 40c. large pkt.

**Beauty of Nice.** Delicate soft pink. Pkt., 15c.; 40c. large pkt.

**Crimson King.** Brilliant fiery crimson. Pkt., 15c.; 40c. large pkt.

**La Brillante.** Rich brilliant crimson. Pkt., 15c.; 40c. large pkt.

**Midsummer Night.** Deep dark violet. Pkt., 15c.; 40c. large pkt.

**Mme. Rivoire.** Early flowering; color, pure white. Pkt., 15c.; 40c. large pkt.

**Queen Alexandra.** Delicate lavender. Pkt., 15c.; 40c. large pkt.

**Victoria.** Pure white. Pkt., 15c.; 40c. large pkt.

**Choice Mixed.** All colors. Pkt., 15c.; 40c. large pkt.

Abilene, Kan.,  
June 20, 1917.

Gentlemen: Our memorial crop of Stocks (seed purchased from your firm) were as fine as any we have ever seen.

Respectfully yours,  
MILLER BROS.



Sunflower Stella

See pages 56 to 61 for Valuable Novelties and Specialties in Flower Seeds.

## SUNFLOWER (Helianthus)

Well known hardy annuals, the small flowering sorts being useful for cutting; the tall varieties are valuable for backgrounds.

### SMALL FLOWERED SORTS

	Large Pkt.	Pkt.
<b>Cucumerfolius.</b> Single yellow	oz. 30c.	\$.015
<b>Cut-and-Come-Again.</b> Single yellow flowers, with twisted petals	.15	.10
<b>Starlight.</b> Beautiful single canary-yellow flowers with twisted petals; 4 feet	.30	.10
<b>Stella.</b> Large, single yellow flowers with black centre	oz., 50c.	.15

### LARGE FLOWERED SORTS

<b>Chrysanthemum Flowered.</b> Large double golden yellow flowers, resembling Chrysanthemums; 7 feet	oz., 30c.	\$.015	\$.005
<b>Double Globe.</b> ( <i>Globosus Fistulosus</i> ). Large double yellow flowers; height 6 feet	oz., 25c.	.15	.05
<b>Dwarf Double.</b> ( <i>Globe of Gold</i> ). Yellow flowers; 3 feet	oz., 25c.	.15	.05
<b>New Red.</b> Extra large flowers, some of which are rich chestnut red; others tipped with yellow	.25	.10	
<b>Oscar Wilde.</b> Single yellow, black centre; 6 feet	oz., 30c.	.15	.05
<b>Russian Mammoth.</b> Immense single yellow flowers on tall heavy stalks; 6 feet	oz., 10c.	.15	.05

### PERENNIAL SORTS

Showy garden flowers blooming the whole summer.

<b>Golden Bouquet.</b> Single yellow flowers; 5 feet	\$.030	\$.010
<b>Choice Mixed.</b> Single flowering, hardy perennial sorts; will bloom the first year if sown early	.40	.10



**SUNFLOWER** (See page 95)

**SWEET ROCKET** (*Hesperis*)

A desirable hardy plant; excellent for naturalizing among shrubbery or for planting in a permanent border.

Mixed. Fragrant white and purple flowers; perennial; 2 to 3 feet .....oz., 40c. \$0.15 \$0.05

**SWEET SULTAN** (*Centaurea Moschata*)

Hardy annual; fragrant flowers, resembling "Bachelor's Buttons."

Mixed Colors .....oz., 40c. \$0.15 \$0.05



Single Sweet William

**SWEET WILLIAM** (*Dianthus Barbatus*)

This is one of the finest of our hardy garden plants; of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery.

Single **Crimson** .....oz. Large Pkt. Pkt. \$0.50 \$0.15 \$0.05  
 " **Velvety Maroon** ..... .50 .15 .05  
 " **White** ..... .50 .15 .05  
 " **Mixed**. All colors ..... .40 .15 .05

**Pink Beauty**. An exceedingly pretty variety with beautiful salmon pink flowers..... .40 .15  
**Scarlet Beauty**. Rich deep scarlet variety.... .40 .15  
**Auricula Flowered**. A beautiful class of "eyed" single varieties, all colors mixed.... .75 .20 .05  
**Double Mixed** ..... 1.00 .20 .10

**TAGETES** (Single Marigold)

**Golden Ring**. Dwarf bushy annual Marigold, with beautiful fern-like leaves, covered with flowers of dark brown, edged yellow; 1 foot.....\$0.20 \$0.05

**THUNBERGIA** (Black-Eyed Susan)

Rapid growing annual climbers, making a pretty vine for trellis, fences, rockwork, etc.; also for window boxes, hanging baskets, and vases; produces a profusion of pretty flowers.

Mixed. All colors ..... Large Pkt. Pkt. \$0.20 \$0.05

**TORENIA**

Showy bedding plants, flowering profusely all summer; also fine for pots and baskets; height, 12 inches.

**Fournieri Grandiflora**. Sky-blue flowers, with dark blue spots and yellow throat ..... Large Pkt. Pkt. \$0.50 \$0.10

**TRITOMA** (Red Hot Poker Plant)

**Uvaria Grandiflora**. A most striking ornamental autumn plant; valuable for shrubberies, flower borders or beds; large spikes of orange-scarlet flowers; 3 to 4 feet .....\$0.20 \$0.10

**VALERIANA** (Garden Heliotrope)

Hardy perennial border plants, large fragrant flowers; 2 to 3 feet.

Mixed Colors ..... Large Pkt. Pkt. \$0.20 \$0.05



Michell's Mammoth Fancy Verbena

**VERBENA**

An excellent annual for beds and massing, and for a gorgeous display during the summer months cannot be excelled, commencing to flower in July and continuing until frost. Our **Mammoth Fancy Strain** cannot be surpassed for profusion of bloom and beautiful colors and shades.

Michell's Mammoth Fancy **Blue** .....oz. Large Pkt. Pkt. \$2.00 \$0.40 \$0.10  
 " " " **Pink** ..... 2.00 .40 .10  
 " " " **Scarlet** ..... 2.00 .40 .10  
 " " " **Striped** ..... 2.00 .40 .10  
 " " " **White** ..... 2.00 .40 .10

**Collection**. One packet each of above 5 colors ..... .40  
**Michell's Mammoth Fancy Mixed**..... 1.50 .40 .10

**New Giant Flowered**. A new variety of large size, with extra large white eyes, making them very attractive; mixed colors ..... .50 .15

**Helen Willmott**. A new variety with large flowers of a bright salmon rose with white eye..... .65 .20

**Fine Mixed**. All colors .....oz., 80c. \$0.25 \$0.05

**Lemon Scented** (*Aloysia Citriodora*). An old favorite plant with delightful lemon-scented foliage; excellent for growing in the garden in summer and in pots in winter ..... .50 .10

Ask for Cultural Leaflet No. 207 on the growing of Verbenas.

**VERONICA** (Speedwell)

An elegant hardy perennial plant of easy culture and free-flowering habit; of value as a cut flower or for garden effect. Plants grow bushy and produce long spikes of flowers.

**Spicata**. Long spikes of bright blue flowers 18 inches ..... Large Pkt. Pkt. \$0.30 \$0.10  
**Virginica**. Long spikes of white flowers; 3 to 5 feet ..... .30 .10

**VINCA ROSEA (Madagascar Periwinkle)**

Dwarf bedding plants with deep green glossy foliage and bright single blossoms of striking beauty; sow early.

	Large pkt.	Pkt.
Alba. White with rose eye .....	\$0.20	\$0.10
Alba Pura. Pure white .....	.20	.10
Rosea. Rose with dark eye .....	.20	.10
Mixed .....	oz., 75c. .20	.10

**VIOLA CORNUTA. (Tufted Pansies)**

These resemble pansies in shape and form, with the additional quality that they are of long stems, and appear uninterruptedly from early spring till snow flies.

	Large pkt.	Pkt.
Admiration. Dark blue .....	\$0.40	\$0.10
Mauve Queen. Lovely mauve color .....	.30	.10
Perfection. Light blue .....	.40	.10
White Perfection. Pure white .....	.40	.10
Mixed. All colors .....	.30	.10

**VIOLA (Scotch Bedding Pansies)**

These are very free flowering and cannot be surpassed for bedding purposes; produce larger flowers than the Viola Cornuta.

	Large pkt.	Pkt.
Golden Gem. Yellow .....	\$0.40	\$0.15
Lutea Splendens. Rich golden yellow .....	.30	.10
Snowflake. Pure white .....	.40	.15
Mixed. From the best named Scotch varieties .....	.65	.25

**VIOLET Sweet Scented (Viola Odorata)**

Well-known, fragrant spring-blooming plants; succeeds best in a cool, moist situation.

	Large pkt.	Pkt.
Single Blue Czar. Dark blue .....	\$0.40	\$0.10
Single White Czar. Large white .....	.40	.10
Single Mixed. Blue and white .....	.40	.10

**XERANTHEMUM (Everlasting Flower)**

	Large pkt.	Pkt.
Double Mixed. Showing bardy annual of easy culture producing a profusion of flowers; excellent for winter bouquets .....	\$0.15	\$0.05



New Giant Robusta Zinnias

**WALLFLOWER**

While these are perennials, they are not perfectly bardy; the plants should be lifted late in the fall and planted in a cold-frame, and removed to the garden again in the spring, the flowers are fragrant and splendid for cutting; double varieties, 2 feet; single varieties, 1½ feet.

	Large pkt.	Pkt.
Double Brown .....	\$0.50	\$0.10
“ Yellow .....	.50	.10
“ Mixed. All colors .....	.50	.10
Single Mixed .....	oz., 40c. .15	.05
Imported Collection, 6 double varieties .....	.50	
Imported Collection, 6 single varieties .....	.40	

Paris Extra Early. A single-flowering variety, which may be treated as an annual, flowering the first year from seed.

	Large pkt.	Pkt.
Paris Extra Early Blood Red .....	\$0.20	\$0.10
Paris Extra Early Yellow .....	.20	.10
Paris Extra Early Mixed. All colors .....	oz., 60c. .15	.10

**MIXED OR WILD FLOWER GARDEN SEEDS**

This mixture embraces a large number of varieties of easy-growing, beautiful and interesting annual flowers, which will furnish a profusion of bloom throughout the entire summer and autumn; many of the varieties will be found useful for cutting. Price: Pkt., 5c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

**MICHELL'S PERENNIAL FLOWER GARDEN MIXTURE**

To create an old-fashioned wild garden or to naturalize along roads or woods we highly recommend this mixture, as it contains many hundred varieties of the choicest old-fashioned flowers. Pkt., 10c.; 40c. per oz.; per ¼ lb., \$1.25.

**MICHELL'S DISTINCTIVE ZINNIAS**

(Youth and Old Age)

Few of our bardy annuals are more effective in the border than Zinnias. They are easily grown, and bloom continuously from early summer until frost.

**ROBUSTA OR GIANT DOUBLE ZINNIAS**

Plants grow to a height of 2½ feet, with immense perfectly double flowers; splendid for cutting or garden effect.

	Oz.	Large pkt.	Pkt.
Crimson .....	\$1.50	\$0.40	\$0.15
Flesh Color .....	1.50	.40	.15
Golden Yellow .....	1.50	.40	.15
Purple .....	1.50	.40	.15
Scarlet .....	1.50	.40	.15
Sulphur Yellow .....	1.50	.40	.15
Violet .....	1.50	.40	.15
White .....	1.50	.40	.15
Mixed .....	1.00	.25	.10
Collection, one packet each above 8 colors .....			1.00

**TALL DOUBLE ZINNIAS**

Flowers of good size; height, 2 feet.

	Oz.	Large pkt.	Pkt.
Crimson .....	\$0.60	\$0.15	\$0.05
Pink .....	.60	.15	.05
Orange .....	.60	.15	.05
Scarlet .....	.60	.15	.05
White .....	.60	.15	.05
Yellow .....	.60	.15	.05
Mixed .....	.40	.15	.05
Collection, one packet each above 6 colors .....			.25

**DWARF DOUBLE ZINNIAS**

Fine for edgings; height, 1½ feet.

	Oz.	Large pkt.	Pkt.
Crimson .....	\$0.75	\$0.15	\$0.05
Pink .....	.75	.15	.05
Salmon Rose .....	.75	.15	.05
Scarlet .....	.75	.15	.05
White .....	.75	.15	.05
Yellow .....	.75	.15	.05
Mixed .....	.50	.15	.05
Collection, one packet each above 6 colors .....			.25

**VARIOUS ZINNIAS**

	Oz.	Large pkt.	Pkt.
Curled and Crested. Large double flowers; petals twisted and curled; mixed colors; 1½ feet .....	\$0.60	\$0.20	\$0.10
Red Riding Hood. Miniature double flowers; intense scarlet; 1 foot .....	1.00	.20	.10
Zebra or Striped. Large double flowers; striped and spotted; 2 feet .....	.75	.20	.10

Ask for Cultural Leaflet No. 208 on the growing of Zinnias.

Abutilon—*Flowering Maple*.  
 Abyssinian Banana—*Musa Ensete*.  
 Achillea—*Milfoil, Succowort*.  
 Aconitum—*Helnet Flower, Monk's Hood, Wolf's Bane*.  
 Acrocinium—*Everlastings*.  
 Adams Needle—*Yucca*.  
 Adiantum—*Maiden Hair Fern*.  
 Adlumia—*Allegheny Vine, Mountain Fringe*.  
 Adonis aestivalis—*Phasant's Eye*.  
 African Daisy—*Arctotis*.  
 African Lily—*Agapanthus*.  
 Agapanthus—*African Lily*.  
 Agratum—*Floss Flower*.  
 Agrostemma—*Rose Campion*.  
 Allegheny Vine—*Adlumia*.  
 Aloysia citriodora—*Lemon Verbena*.  
 Althaea rosea—*Hollyhock*.  
 Althaea—*Rose of Sharon*.  
 Alum Root—*Heuchera*.  
 Alyssum saxatile—*Basket of Gold*.  
 Amaranthus caudatus—*Love Lies Bleeding*.  
 Amaranthus tricolor—*Joseph's Coat*.  
 Amaryllis formosissima—*Jacobean Lily*.  
 Amethyst—*Browallia*.  
 Ampelopsis—*Virginia Creeper*.  
 Ampelopsis Veitchii—*Boston Ivy*.  
 Anchusa—*Sea Bugloss*.  
 Anemone—*Windflower*.  
 Anthericum—*St. Bruno's Lily*.  
 Antirrhinum—*Snappedragon*.  
 Aquilegia—*Columbine*.  
 Arabis—*Rock Cress*.  
 Arctotis—*African Daisy*.  
 Aristolochia—*Dutchman's Pipe*.  
 Armeria—*Sea Pink, Thrift*.  
 Artemisia absinthium—*Wormwood*.  
 Asclepias—*Butterfly Weed*.  
 Asparagus Fern—*Asparagus plumosus*.  
 Asperula—*Waldmeister, Woodruff*.  
 Baby's Breath—*Gypsophila*.  
 Baby Primrose—*Primula Forbesi*.  
 Bachelor's Button—*Centaurea, Gomphrena, Bellis*.  
 Balloon Vine—*Cardiospermum*.  
 Balsam—*Lady Slipper*.  
 Balsam Apple—*Momordica Balsamina*.  
 Baptisia—*False Indigo*.  
 Barberry—*Berberis*.  
 Basket of Gold—*Alyssum saxatile*.  
 Beard Tongue—*Pentstemon*.  
 Bee Balm—*Monarda*.  
 Bell Flower—*Campanula*.  
 Bellflower Lily—*Lilium canadense*.  
 Bellis—*Bachelor's Button, English Daisy*.  
 Berberis—*Barberry*.  
 Bergamot—*Monarda*.  
 Bignonia—*Trumpet Vine*.  
 Black Eyed Susan—*Thunbergia*.  
 Blanket Flower—*Gallardia*.  
 Blazing Star—*Liatris*.  
 Bleeding Heart—*Diclytra*.  
 Blue Bottle—*Centaurea cyanus*.  
 Bluets—*Centaurea cyanus*.  
 Boccunia—*Plume Poppy*.  
 Boltonia—*False Chamomile*.  
 Boston Ivy—*Ampelopsis Veitchii*.  
 Boxwood—*Buxus*.  
 Brachycome—*Swan River Daisy*.  
 Bridal Wreath—*Spiraea prunifolia*.  
 Briza—*Quaking Grass*.  
 Browallia—*Amethyst*.  
 Buddleya—*Butterfly Bush*.  
 Bush Eschscholtzia—*Hunnemannia*.  
 Buttercup—*Trollius*.  
 Butterfly Bush—*Buddleya*.  
 Butterfly Flower—*Schizanthus*.  
 Butterfly Pea—*Centrosema*.  
 Butterfly Weed—*Asclepias*.  
 Buttonwood—*Platanus orientalis*.  
 Buxus—*Boxwood*.  
 Calacia—*Tassel Flower*.  
 Caladium—*Elephant Ears*.  
 Calendula—*Pot Marigold*.  
 California Poppy—*Eschscholtzia*.  
 Callirhoe—*Poppy Mallow*.  
 Calycanthus—*Sweet Shrub*.  
 Campanula calyc. — *Cup and Saucer*.  
 Campanula carpatica—*Hare Bell*.  
 Campion—*Lychnis*.  
 Canarybird Flower—*Tropaeolum Canariense*.  
 Candytuft—*Iberis*.  
 Canna—*Indian Shot*.  
 Canterbury Bells—*Campanula medium*.  
 Cape Jessamine—*Gardenia florida*.  
 Cardinal Flower—*Lobelia cardinalis*.  
 Castor Oil Beans—*Ricinus*.  
 Catchfly—*Silene*.  
 Catalpa—*Umbrella Tree*.  
 Centaurea cyanus—*Bachelor's Button, Cornflower, Blue Bottle, Bluets, Ragged Sailor*.  
 Centaurea moschata—*Sweet Sultan*.  
 Centrosema—*Butterfly Pea*.  
 Celosia cristata—*Cockscomb*.  
 Cerastium—*Snow in the Summer*.

Cercis—*Judas Tree*.  
 Chinese Bell Flower—*Platycodon*.  
 Chinese Lantern Plant—*Physalis*.  
 Christmas Rose—*Helleborus Niger*.  
 Chrysanthemum frutescens—*Mar-guerite, Paris Daisy*.  
 Cigar Plant—*Cuphea platycentra*.  
 Clove Pinks—*Dianthus plumarius*.  
 Cockscomb—*Celosia cristata*.  
 Coix—*Job's Tears*.  
 Columbine—*Aquilegia*.  
 Cone Flower—*Rudbeckia*.  
 Convallaria—*Lily of the Valley*.  
 Convolvulus—*Morning Glory*.  
 Coral Lily—*Lilium tenuifolium*.  
 Cornflower—*Centaurea cyanus*.  
 Cornflower—*Centaurea cyanus*.  
 Cornus florida—*Dogwood*.  
 Cowslip—*Primula veris*.  
 Crane's Bill—*Geranium*.  
 Crataegus—*Hawthorn*.  
 Cup and Saucer—*Campanula calyc.*  
 Cuphea platycentra—*Cigar plant*.  
 Cypas—*Sago Palm*.  
 Cyperus—*Umbrella Plant*.  
 Cypress Vine—*Ipomea Quamoclit*.  
 Cytisus—*Golden Chain*.  
 Daisy—*Bellis perennis*.  
 Datura cornucopia—*Horn of Plenty*.  
 Datura—*Trumpet Flower*.  
 Day Lily—*Funkia, Hemerocallis*.  
 Delphinium—*Larkspur*.  
 Dianthus barbatus—*Sweet William*.  
 Dianthus—*Pinks*.  
 Dianthus plumarius—*Clove Pinks*.  
 Dielytra—*Bleeding Heart*.  
 Dictamnus—*Gas Plant*.  
 Digitalis—*Foxglove*.  
 Dimorphotheca—*Orange Daisy*.  
 Dogwood—*Cornus florida*.  
 Dolichos—*Hyacinth Beans*.  
 Doronicum—*Leopard's Bane*.  
 Dusty Miller—*Centaurea gymnocarpa*.  
 Dusty Miller—*Cineraria Maritima*.  
 Dutchman's Pipe—*Aristolochia*.  
 Echinops—*Globe Thistle*.  
 Echinocystis—*Wild Cucumber*.  
 Edelweiss—*Gnaphalium*.  
 Egyptian Lotus—*Nelumbium*.  
 Elephant Ears—*Caladium*.  
 English Daisy—*Bellis*.  
 English Primrose—*Primula vulgaris*.  
 Erianthus—*Plume Grass*.  
 Eryngium—*Sea Holly*.  
 Eulalia—*Zebra Grass*.  
 Euphorbia—*Mexican Fire Plant*.  
 Evening Primrose—*Oenothera*.  
 Everlastings—*Acrocinium, Gomphrena, Helichrysum, Rhodanthe, Xeranthemum*.  
 Everlasting Pea—*Lathyrus latifolius*.  
 Exochorda grandiflora—*Pearl Bush*.  
 Fairy Lily—*Zephyranthes*.  
 False Chamomile—*Boltonia*.  
 False Dragon Head—*Physostegia*.  
 False Indigo—*Baptisia*.  
 Feather Grass—*Stipa*.  
 Feverfew—*Matricaria*.  
 Flax—*Linum*.  
 Fleur de lis—*Iris germanica*.  
 Floss Flower—*Ageratum*.  
 Flowering Maple—*Abutilon*.  
 Flowering Tobacco—*Nicotiana*.  
 Forget-me-not—*Myosotis*.  
 Forsythia—*Golden Bell*.  
 Fountain Grass—*Pennisetum*.  
 Four o'clocks—*Mirabilis*.  
 Foxglove—*Digitalis*.  
 Fuchsia—*Lady's Ear Drop*.  
 Funkia—*Day Lily*.  
 Gallardia—*Blanket Flower*.  
 Gardener's Garters—*Phalaris*.  
 Garden Heliotrope—*Valeriana*.  
 Gardenia florida—*Cape Jessamine*.  
 Gay Feather—*Liatris*.  
 Gas Plant—*Dictamnus*.  
 Gentian—*Gentiana*.  
 Geranium—*Crane's Bill*.  
 Gillflower—*Stocks*.  
 Globe Amaranth—*Gomphrena*.  
 Globe Flower—*Trollius*.  
 Globe Thistle—*Echinops*.  
 Gnaphalium—*Edelweiss*.  
 Gold Dust—*Alyssum saxatile*.  
 Golden Bell—*Forsythia*.  
 Golden Chain—*Cytisus*.  
 Golden Feather—*Pyrethrum aureum*.  
 Golden Rod—*Solidago*.  
 Gomphrena—*Everlastings, Globe Amaranth, Bachelor's Button*.  
 Grass Pinks—*Dianthus plumarius*.  
 Gynierum—*Pampas Grass*.  
 Gypsophila—*Baby's Breath*.  
 Hare Bell—*Campanula carpatica*.  
 Hawthorn—*Crataegus*.  
 Heart's Ease—*Pansy*.  
 Helenium—*Sneezewort*.  
 Helianthemum—*Rock Rose*.  
 Helianthus—*Sunflower*.  
 Helichrysum—*Everlasting, Straw-her*.  
 Helleborus niger—*Christmas Rose*.  
 Helmet Flower—*Aconitum*.  
 Hemerocallis—*Day Lily*.

Hesperis—*Sweet Rocket, Rocket*.  
 Heuchera—*Alum Root*.  
 Hollyhocks—*Althaea rosea*.  
 Honesty—*Lunaria*.  
 Hops—*Humulus*.  
 Hordeum—*Squirrel Tail Grass*.  
 Horn of Plenty—*Datura cornucopia*.  
 Hunnemannia—*Bush Eschscholtzia*.  
 Hyacinth Beans—*Dolichos*.  
 Ice Plant—*Mesembryanthemum*.  
 Indian Shot—*Canna*.  
 Ipomea noctiflora—*Moonflower*.  
 Ipomea Quamoclit—*Cypress Vine*.  
 Jacobean Lily—*Amaryllis formos.*  
 Jacobaea—*Senecio*.  
 Japan Pinks—*Dianthus Hedderwigii*.  
 Jerusalem Cherry—*Solanum capsicastrum*.  
 Job's Tears—*Coix*.  
 Judas Tree—*Cercis*.  
 Joseph's Coat—*Amaranthus tricolor*.  
 Kalmia latifolia—*Mountain Laurel*.  
 Kenilworth Ivy—*Lunaria cymbalaria*.  
 Kochia—*Mexican Fire Bush, Summer Cypress*.  
 Kudzu Vine—*Pueraria*.  
 Lady's Ear Drop—*Fuchsia*.  
 Lady's Slipper—*Balsam*.  
 Larkspur—*Delphinium*.  
 Lathyrus latifolius—*Everlasting Pea*.  
 Leadwort—*Plumbago*.  
 Lemon Verbena—*Aloysia citriodora*.  
 Leopard's Bane—*Doronicum*.  
 Liatris—*Gay Feather*.  
 Lilac—*Syringa*.  
 Lily of the Valley—*Convallaria*.  
 Lobelia cardinalis—*Cardinal Flower*.  
 Loose Strife—*Lythrum*.  
 Love Grove—*Nemophila*.  
 Love in a Mist—*Nigella*.  
 Love Lies Bleeding—*Amaranthus caudatus*.  
 Lunaria cymbalaria—*Kenilworth Ivy*.  
 Luffa—*Cucumis acutangulus*.  
 Lunaria—*Honesty, Moonwort*.  
 Lychnis—*Campion*.  
 Lychnis—*Ragged Robin, Rose Cam-pion*.  
 Lythrum—*Loose Strife*.  
 Maiden Hair Fern—*Adiantum*.  
 Mallow—*Hibiscus*.  
 Marguerite—*Chrysanthemum frutescens*.  
 Marigold—*Tagetes*.  
 Marshmallow—*Hibiscus*.  
 Marvel of Peru—*Mirabilis*.  
 Mathiola—*Night Scented Stock*.  
 Matricaria—*Feverfew*.  
 Meadow Rue—*Thalictrum*.  
 Mesembryanthemum—*Ice Plant*.  
 Mexican Fire Bush—*Kochia*.  
 Mexican Fire Plant—*Euphorbia*.  
 Michaelmas Daisy—*Aster perennis*.  
 Mignonette—*Reseda*.  
 Mimosa—*Sensitive Plant*.  
 Mimulus moschatus—*Mush Plant*.  
 Mirabilis—*Four o'clocks, Marvel of Peru*.  
 Mock Orange—*Philadelphus*.  
 Momordica Balsamina—*Balsam Apple*.  
 Monarda—*Bee Balm, Bergamot*.  
 Monk's Hood—*Aconitum*.  
 Moonflower—*Ipomea noctiflora*.  
 Moonwort—*Lunaria*.  
 Morning Glory—*Convolvulus*.  
 Moss Pink—*Phlox subulata*.  
 Mountain Fringe—*Adlumia*.  
 Mountain Laurel—*Kalmia latifolia*.  
 Mourning Bride—*Scabiosa*.  
 Musa—*ensete—Abyssinian Banana*.  
 Musk Plant—*Mimulus moschatus*.  
 Myosotis—*Forget-me-not*.  
 Myrtle—*Vinca minor*.  
 Nelumbium—*Egyptian Lotus*.  
 Nemophila—*Love Grove*.  
 Nicotiana—*Flowering Tobacco*.  
 Nigella—*Love in a Mist*.  
 Night Scented Stock—*Mathiola*.  
 Oenothera—*Evening Primrose*.  
 Orange Daisy—*Dimorphotheca*.  
 Ox-Eye—*Adonis vernalis*.  
 Painted Tongue—*Salpiglossis*.  
 Pampas Grass—*Gynierum*.  
 Pancratium Lily—*Ismene calathina*.  
 Paris Daisy—*Chrysanthemum frutescens*.  
 Passiflora—*Passion Flower*.  
 Passion Flower—*Passiflora*.  
 Peach Bells—*Campanula persicifolia*.  
 Pearl Bush—*Exochorda grandiflora*.  
 Periwinkle—*Vinca*.  
 Periwinkle—*Gardener's Garters*.  
 Phalaris—*Ribbon Grass*.  
 Phasant's Eye—*Adonis aestivalis*.  
 Philadelphus—*Mock Orange*.  
 Phlox drummondii—*Flame Flower*.  
 Phlox subulata—*Moss Pink*.  
 Pincushion Flower—*Scabiosa*.  
 Pinks—*Dianthus*.  
 Platycodon—*Chinese Bell Flower*.  
 Platycodon—*Chinese Bell Flower*.  
 Plumbago—*Leadwort*.  
 Plume Grass—*Erianthus*.

Plume Poppy—*Boccania*.  
 Polyanthus—*Primula elatior*.  
 Poppy Mallow—*Callirhoe*.  
 Poppy—*Popper*.  
 Pot Marigold—*Calendula*.  
 Pueraria—*Kudzu Vine*.  
 Pyrethrum aureum—*Golden Feather*.  
 Quaking Grass—*Briza*.  
 Rag Gourd—*Cucumis acutangulus*.  
 Ragged Robin—*Lychnis*.  
 Ragged Sailor—*Centaurea cyanus*.  
 Red Bud—*Cercis canadensis*.  
 Red Hot Poker Plant—*Tritoma*.  
 Reed—*Arundo donax*.  
 Reseda—*Mignonette*.  
 Rhodanthe—*Everlastings*.  
 Ribbon Grass—*Phalaris*.  
 Rock Cress—*Arabis*.  
 Rocket—*Hesperis*.  
 Rock Rose—*Helianthemum*.  
 Rose Campion—*Agrostemma*.  
 Rose Campion—*Lychnis*.  
 Rose of Sharon—*Althaea*.  
 Rudbeckia—*Cone Flower*.  
 Sago Palm—*Cycas*.  
 Salpiglossis—*Painted Tongue*.  
 Salvia splendens—*Scarlet Sage*.  
 Saponaria—*Soapwort*.  
 Satin Flower—*Godetia*.  
 Scabiosa—*Mourning Bride*.  
 Scabiosa—*Pincushion Flower*.  
 Scarlet Sage—*Salvia splendens*.  
 Schizanthus—*Butterfly Flower*.  
 Sea Bugloss—*Anchusa*.  
 Sea Lavender—*Statice*.  
 Sea Holly—*Eryngium*.  
 Sea Pink—*Armeria*.  
 Sedum—*Stonecrop*.  
 Senecio—*Jacobaea*.  
 Sensitive Plant—*Mimosa*.  
 Silene—*Catchfly*.  
 Silk Oak—*Grevillea*.  
 Snappedragon—*Antirrhinum*.  
 Sneezewort—*Helentium*.  
 " — *Achillea*.  
 Snowball—*Viburnum*.  
 Snowberry—*Symphoricarpos*.  
 Snow in the Summer—*Cerastium*.  
 Snow on the Mountain—*Euphorbia*.  
 Soapwort—*Saponaria*.  
 Solanum capsicastrum—*Jerusalem Cherry*.  
 Solidago—*Golden Rod*.  
 Speedwell—*Veronica*.  
 Spider Plant—*Cleome*.  
 Squirrel Tail Grass—*Hordeum*.  
 Star of Bethlehem—*Ornithogalum*.  
 Statice—*Sea Lavender*.  
 St. Bruno's Lily—*Anthericum*.  
 St. John's Wort—*Hypericum*.  
 Stoncrop—*Sedum*.  
 Stipa—*Feather Grass*.  
 Stocks—*Gillflower*.  
 Stokesia—*Cornflower Aster*.  
 Strawflower—*Helichrysum*.  
 Summer Cypress—*Kochia*.  
 Sunflower—*Helianthus*.  
 Symphoricarpos—*Snowberry*.  
 Syringa—*Lilac*.  
 Swan River Daisy—*Brachycome*.  
 Sweet Pepper Bush—*Chletra*.  
 Sweet Rocket—*Hesperis*.  
 Sweet Shrub—*Calycanthus*.  
 Sweet Sultan—*Centaurea moschata*.  
 Sweet William—*Dianthus barbatus*.  
 Tagetes—*Marigold*.  
 Tassel Flower—*Calacia*.  
 Thrift—*Armeria*.  
 Thunbergia—*Black Eyed Susan*.  
 Tobacco—*Nicotiana*.  
 Transvaal Daisy—*Gerbera*.  
 Trillium—*Wake Robin, Wood Lily*.  
 Tritoma—*Red Hot Poker*.  
 Trollius—*Buttercup*.  
 Trumpet Flower—*Datura*.  
 Trumpet Vine—*Bignonia*.  
 Tufted Pansies—*Viola cornuta*.  
 Turk's Cap Lily—*Lilium superbum*.  
 Valeriana—*Garden Heliotrope*.  
 Viburnum—*Snowball*.  
 Vinca minor—*Myrtle*.  
 Vinca—*Periwinkle*.  
 Viola cornuta—*Tufted Pansies*.  
 Virgin's Bower—*Clematis*.  
 Virginia Creeper—*Ampelopsis quin-quefolia*.  
 Umbrella Plant—*Cyperus*.  
 Umbrella Tree—*Catalpa*.  
 Waldmeister—*Asperula*.  
 Wallflower—*Cheiranthus*.  
 Wake Robin—*Trillium*.  
 Wild Cucumber—*Echinocystis*.  
 Windflower—*Anemone*.  
 Wolf's Bane—*Aconitum*.  
 Wood Lily—*Trillium*.  
 Wood Fern—*Aspidium*.  
 Woodruff—*Asperula*.  
 Wormwood—*Artemisia absinthium*.  
 Xeranthemum—*Everlastings*.  
 Yarrow—*Achillea*.  
 Youth and Old Age—*Zinnia*.  
 Yucca—*Adam's Needle*.  
 Zebra Grass—*Eulalia*.  
 Zephyranthes—*Fairy Lily*.



**PLEASE NOTE.**—In this catalogue we have arranged the items referred to below in alphabetical order, grouping them together. In past catalogs, we usually separated the bulbs from the plants, but believe the present arrangement will be easier for our customers to select their wants from.

All plants and bulbs are shipped at purchaser's expense unless otherwise specified. **NO PLANTS SHIPPED C. O. D.** Much of this stock is grown by ourselves, the balance for us by specialists, and are thrifty specimens which will invariably give fine results. The stock offered on pages 99 to 116 is not hardy, being for the one season's display only with the exceptions of a few. Summer flowering plants cannot well be mailed, as we send out strong specimens, which travel best by express.

## ABUTILONS (Bell Flower) (Ready in May)

Splendid plants to be used as a close setting or around a bed of cannas or other tall growing plants.

**Boule de Neige.** Pure white.

**Golden Fleece.** Very large flower; pure yellow.

**Savitzi.** Green and white foliage, with white flower.

**Vesuvius.** Rich red flower, with deep red veins.

Strong plants, 3-inch pots, 20c. each; doz., \$1.50; \$10.00 per 100.

## ACALYPHA (Ready in May)

**Macafeana.** Plants growing 2 feet high, with beautiful red and bronze foliage, showing up well against a green background of cannas, caladiums or ricinus. Extra strong plants, 3-in. pots, 20c. each; doz., \$1.50; \$10.00 per 100.

## ACHYRANTHES (Ready in May)

Excellent for edging beds of various kinds; make a fine show against a green or yellow background; grow about 12 inches high; very compact.

**Acuminata.** Purplish bronze foliage.

**Brilliantissima.** Crimson foliage; very bright.

Extra strong plants, 3-inch pots, 15c. each; doz., \$1.25; \$8.00 per 100.

## AGERATUM (Floss Flower) (Ready in May)



*Ageratum Blue Perfection*

These are one of the freest of flowering annuals and can be adapted to many purposes. As an edging in a garden border few plants surpass it. Flower heads very large. Plants 10 inches high; ideal for massive bedding or edging.

**Blue Perfection and White Perfection,** 3-inch pot-plants, 15c. each, doz., \$1.25; \$8.00 per 100.

## ALTERNANTHERA (Ready in May)

Used principally for carpet bedding effects and edgings; fine for working out in desigus; of very dwarf growth, being about 4 inches high.

**Aurea Nana.** Green and yellow; mottled foliage.

**Brilliantissima.** Red, with a slight trace of green.

3-inch pot-plants, 15c. each; doz., \$1.25; \$6.00 per 100.

## ALYSSUM (Ready in May)

**Little Gem.** Pure white flowers, dwarf compact plant, desirable for edging, flowering all season; 6 inches high, 3-inch pot-plants, 15c. each; \$1.25 doz.; \$8.00 per 100.

## AMARYLLIS

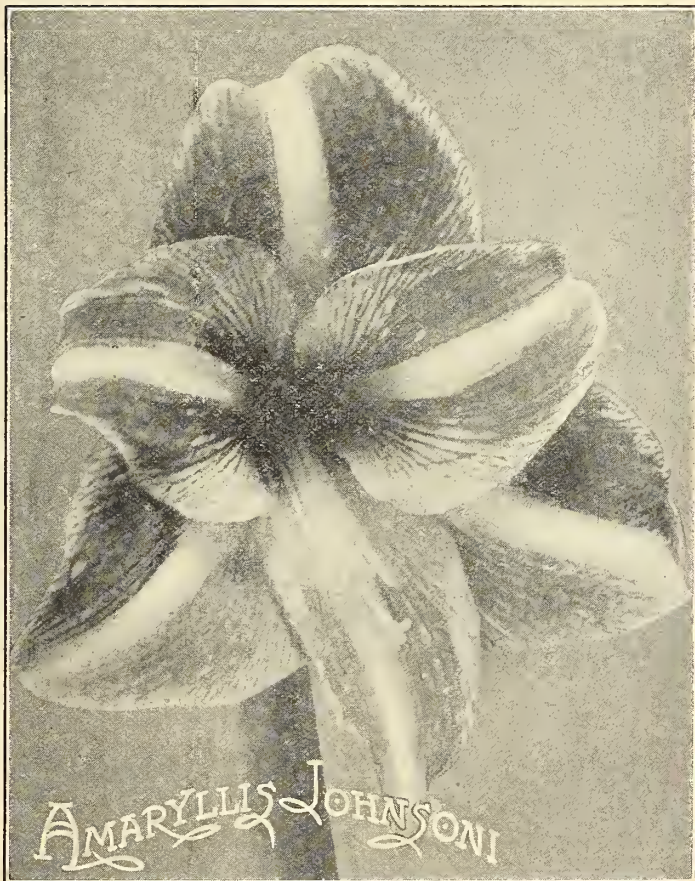
For a practical showy house plant there is nothing of easier culture than these gorgeous lily-like flowers. Once potted they can remain in the same pot for years, the number of flowers increasing each year.

**Cultural Directions:** Place bulbs, on arrival, in damp moss in temperature of 60° and allow the flowering shoot to appear before the bulb is potted. When the plant is in progress of blooming water freely, other times sparingly.

**Belladonna.** A beautiful bright pink. 35c. each; doz., \$3.50.

**Formosissima.** Crimson. 10c. each; per doz., \$1.00.

**Hybrids of Vittata.** Beautiful species, flowers striped and flaked. 50c. each; per doz., \$5.00.



**Johnsoni.** A very large crimson sort, striped white. This variety is the best of the every day sorts, the flower is very large and showy. Every collection of Amaryllis should include this one. Mammoth bulbs, 50c. each; per doz., \$5.00. Good size bulbs, 35c. each; per doz., \$3.50.

**SMALL AMARYLLIS ZEPHYRANTHES** (See Page 116)

## ANTIRRHINUM (Snapdragon) (Ready in May)

A very effective plant for massive bedding and border planting, also much used in Italian Gardens. If flowers are cut off after blooming they will continue until frost. In separate colors as follows:

**Giant White, Pink, Yellow and Scarlet.** Each color separate. Extra strong. 4-inch pot-plants, 15c. each; doz., \$1.60; \$12.00 per 100.

## ASTERS (Giant Flowering) (Ready in May)

We grow a large stock of these in separate colors, **Pink, Scarlet, White and Blue.** Extra strong 3-inch pot-plants, 8c. each; doz., 75c.; \$5.50 per 100.

## BEGONIAS (Fibrous Rooted) (Ready in May)

**Erfordi.** Of the same habit as Vernon, but having bright pink flowers which almost hide the foliage during the whole summer. 3-inch pot-plants, 15c. each; doz., \$1.25; \$9.00 per 100.

**Gracilis Luminosa.** A splendid edging variety with bronzy red foliage and brilliant coppery scarlet flowers, very free blooming, of same habit as Vernon. 3-inch pot-plants, 20c. each; \$1.50 doz.; per 100, \$10.00.

**Vernon.** Bright red flowers, compact dwarf plant, one of the best and most effective bedding plants either for edging or massive bedding. 3-inch pot-plants, 15c. each; \$1.25 per doz.; 100, \$9.00.

**BEGONIAS Continued on next page**

**SPECIAL NOTICE.**—While we aim as far as possible to make one shipment of seeds, plants and bulbs ordered at one time, this is not always possible. We find by making separate orders and shipments of plants, the orders are dispatched usually quicker, customers will please understand when separate shipments are made it is in their interests to do so.

## BEGONIAS (Tuberous Rooted)

There is hardly a single garden in which there are semi or entirely shaded spots; such places are ideal for this flower; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June until frost. The bright flowers contrast well with the deep-colored foliage. The bulbs must be lifted in the fall. Plant bulbs outdoors about May 1st or start indoors any time prior to then.

	Each	Doz.	100		Each	Doz.	100
Lafayette. Brilliant crimson, single.....	\$0.20	\$2.00	\$15.00				
Graf Zeppelin. Double; vermilion .....	.15	1.50	11.00				
Bertini. Brilliant vermilion; single .....	.15	1.50	11.00				
Phosphorescent. Brilliant scarlet; single....	.25	2.25	15.00				
	Each	Doz.	100		Each	Doz.	100
Single Crimson	\$0.10	\$1.00	\$6.00	Single Scarlet	\$0.10	\$1.00	\$6.00
Single Orange	.10	1.00	6.00	Single White	.10	1.00	6.00
Single Pink	.10	1.00	6.00	Single Yellow	.10	1.00	6.00
Single Mixed	.....	.07	.75	5.00			
Double, in separate colors as above.....	.....	.15	1.25	8.00			
Double Mixed, all colors .....	.....	.12	1.20	8.00			

## FRINGED BEGONIA

The edge of each flower petal is exquisitely frilled and crested, giving unto the flower a charming appearance. Every one who grows Tuberous Begonias should plant some of this variety.

**Crispa, Mixed Colors (Single).** 12c. each; doz., \$1.00; \$7.00 per 100.  
**Crispa, Separate Colors (Single).** 15c. ea.; doz., \$1.25; \$8.00, 100.  
**Crispa, Double Fringed.** Mixed colors. 20c. each; doz., \$2.00; \$15.00 per 100.

## BEGONIA CRISTATA (New)

Beautifully crested single flowers. Red, orange, rose, white, yellow separate. 15c. each; doz., \$1.50; \$10.00 per 100.

## TUBEROUS ROOTED BEGONIA PLANTS

(Ready in May)

Extra strong, 4-inch pot-plants in mixed colors only.

	Each	Doz.	100
Single .....	\$0.25	\$2.50	\$15.00
Double .....	.25	2.50	15.00

## CALLAS

Splendid as a pot plant for the window garden or for growing outdoors, preferring a shaded location. May be started inside any time prior to May 1st, after which they can be safely planted outside.

	Each	Doz.	100
Elliottiana. Yellow flower, spotted leaf.....	\$0.25	\$2.50	\$17.50
Spotted. White flower, spotted leaf .....	.15	1.50	10.00

Black. (Stock unprocurable at present)

## CALENDULA (Pot Marigold) (Ready in May)

These somewhat resemble a double daisy, are fine for cutting.

**Orange King.** Very deep orange.  
**Sulphurea.** Light sulphur yellow.  
 Strong 3-inch pot-plants, 15c. each; doz., \$1.50; \$8.00 per 100.

## CENTAUREA (Ready in May)

**Gymnocarpa.** Broad silvery foliage, for edging flower beds.  
 Strong 3-inch pot-plants, 15c. each; doz., \$1.25; \$8.00 per 100.  
**Cyanus Double Blue.** The favorite boutonniere of the business man, rich bright blue; get a dozen plants for your garden. 3-inch pot-plants, 15c each; doz., \$1.25; 100, \$8.00.

## COLEUS (Ready in May)

The popular beefsteak plant so commonly used for edging canna and geranium beds. Making a fine show from early spring till frost.

**Verschaffelti.** Dark crimson foliage.  
**Golden Bedder.** Rich canary yellow foliage.  
**Queen Victoria.** Red, with yellow edge.  
 3-inch pot-plants, 10c. each; \$1.00 per doz.; per 100, \$6.00.



## CALADIUM ESCULENTUM (Elephant's Ear)

As centre pieces in flower beds Caladiums are fine. They make an excellent edging for tall-growing plants. When planted in a bed alone, a border of Scarlet Sage makes a beautiful contrast. Do not plant outdoors until after May 1st; but to get them in early growth, they may be started indoors.

	Each	Doz.	100
Monster Bulbs, 12-14 in. cir.....	\$0.30	\$3.25	\$20.00
Mammoth Bulbs, 9-11 in. cir.....	.25	2.50	15.00
First Size Bulbs, 7-9 in. cir.....	.10	1.10	8.00
Second Size Bulbs, 5-7 in. cir.....	.07	.75	5.00

If wanted by mail add 5c. to the price of single lots.

## CALADIUM (Fancy Leaved)

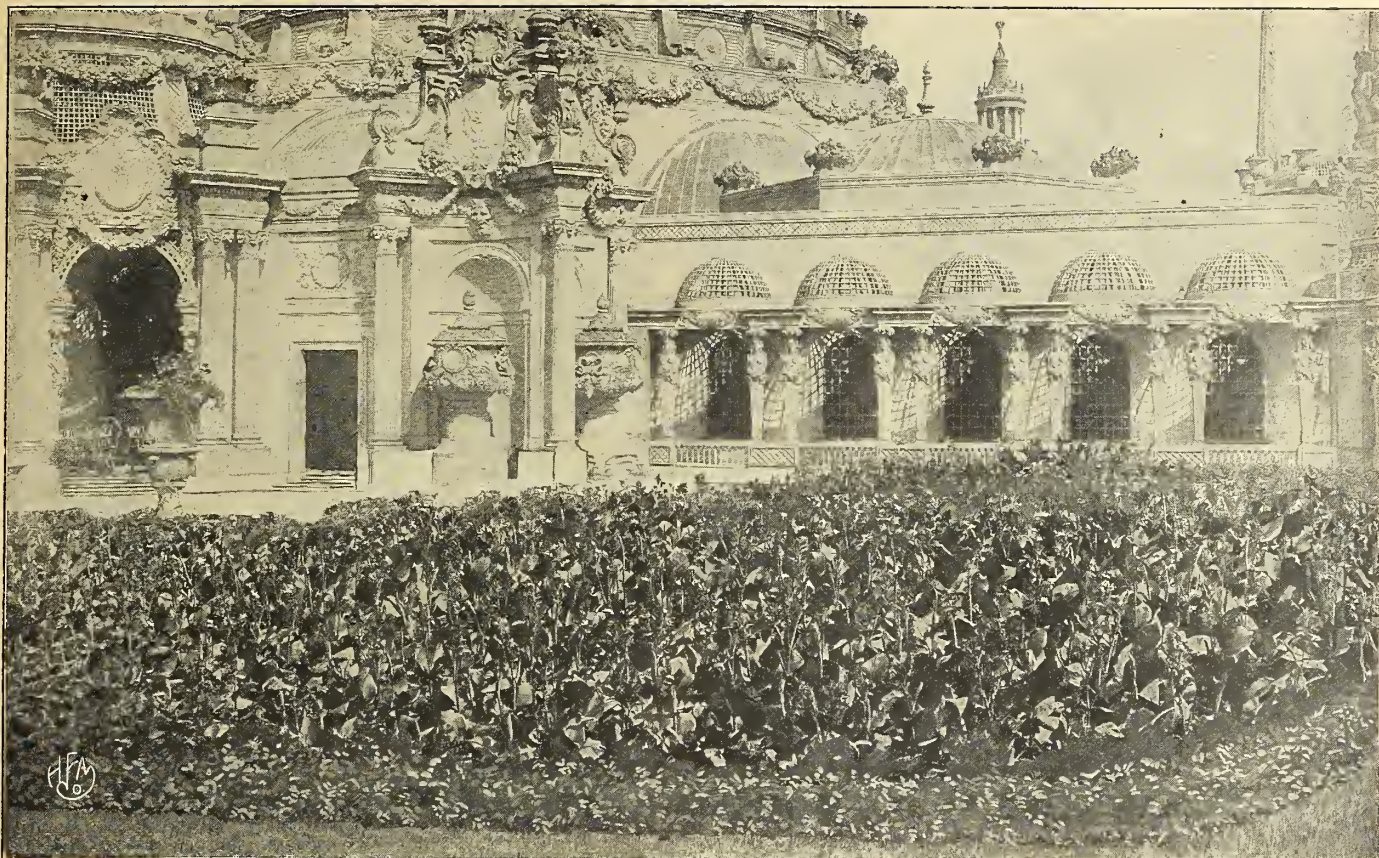
Charming conservatory plants. Being of tropical nature they like a warm temperature. They do quite well outdoors during the summer, if planted in a sheltered, shaded place. The foliage covers a wide range of colors, and makes a grand display. The bulbs should be started in moss with plenty of bottom heat.



**Charles Simpson.** Bluish green, spotted red, creamy white.  
**Coimbra.** White suffused green, red veins and ribs.

**Frances M. Laughlin.** Transparent rose centre, yellowish zone, green border.  
**Jacupiranga.** Transparent white with green veins.  
**Jupiter.** Red centre, green border, spotted white.  
**Leopold Robert.** Deep red crimson ribs, green border.  
**Lord Derby.** Rose, green ribs and veins.  
**Macache.** Variable, green suffused pink, with red ribs.  
**Prince Albert Edward.** Red, suffused pink, green border.  
**Putomayo.** Pink, spotted strawberry red, very beautiful.  
**Shellpink.** Centre shell pink, deep red veins, white border.  
**Silver Queen.** Pure white, almost transparent like glass.

Any of the named sorts, 25c. each; doz., \$2.50; 100, \$17.50.



Michell's Cannas around the Building of Horticulture at the Panama-Pacific Exposition, San Francisco, 1915, where the Display was awarded a Silver Medal by the Judges of Horticultural Displays.

## MICHELL'S CHOICE CANNAS [NEWER VARIETIES AND THOSE OF SPECIAL MERIT]

We make a specialty of growing Cannas at our nurseries, Andalusia, Pa., where acres of them are a blaze of color throughout the summer. In ordering please state if plants or roots are wanted. If order does not so state we will send roots as long as our stock permits. Canna plants are ready in May.

**Please Note.**—The heights as given for Canna Plants are as they average in our nurseries. This height may vary; depending on soil, weather and climatic conditions.

**Dr. E. Ackerknecht.** Deep carmine of a distinct shade, with light bronzy foliage; height, 4½ feet. **Roots**, 20c. each; doz., \$2.00; \$15.00 per 100. **Strong plants**, ready in May, 30c. each; doz., \$2.75; \$20.00 per 100.

**Elizabeth Hoss.** One of the finest yellows, spotted with vivid red. Petals broad and well opened. Very free grower; height, 4 ft. **Roots**, 25c. each; doz., \$2.50; \$15.00 per 100. **Plants** ready after May 1st, 35c. each; doz., \$3.50; \$25.00 per 100.

**Eureka.** One of the best of the newer introductions. It is of robust growth, about 4 feet high, and is a most prolific bloomer. The flowers, which are of an immense size, are of creamy white color, changing to pure white. **Roots**, 25c. each; doz., \$2.50; \$17.50 per 100. **Strong plants**, ready May 1st, 35c. each; doz., \$3.50; \$20.00 per 100.

**Firebird.** This is in every respect one of the best red flowered, green-leaved Cannas. The petals measure 2½ inches and more across; the color is a brilliant scarlet, without any spots. **Roots**, 35c. each; doz., \$3.50; \$25.00 per 100. **Strong plants**, ready May 1st, 50c. each; doz., \$5.00; \$35.00 per 100.

**General Merkel.** Blooms with remarkable freedom throughout the summer. The flowers are a remarkable combination, being bright scarlet with a blending of orange, splashed golden yellow at the edge of the petals. **Roots**, 15c. each; doz., \$1.50; \$10.00 per 100. **Plants**, ready in May, 25c. each; doz., \$2.50; \$15.00 per 100.

**Kate F. Deemer.** The flowers, when first open, are yellow, which changes as it ages, so that the lower petals and the throat are red, the balance of the flower assumes a light shade almost white. This variety is one that should be in every collection; green foliage; height, 4 to 5 feet. **Roots**, 20c. each; doz., \$2.00; \$12.50 per 100. **Plants**, ready in May, 25c. each; doz., \$2.75; \$20.00 per 100.

**King Humbert.** Truly a king among cannas, because of its majestic growth which is doubly enhanced by its massive truss of coppery scarlet flowers. The foliage is deep bronze, very broad, and of wonderful robust habit, growing 4 ft. high; splendid as a centre planting, edged with yellow green leaved cannas or vice versa. **Roots**, 15c. each; dozen, \$1.50; \$10.00 per 100. **Strong plants**, ready after May 1st, 25c. each; dozen, \$2.50; \$15.00 per 100.

**Louis Reverchon.** A dark leaved large flowering cochineal-red variety. It is very free flowering and will immediately win favor with Canna growers; height, 4½ feet. **Roots**, 15c. each; doz., \$1.50; \$10.00 per 100. **Strong plants**, ready May 1st, 25c. each; doz., \$2.50; \$15.00 per 100.

**Meteor.** Of compact growth; broad green foliage, surmounted with large heads of bright red flowers; grows about 4½ feet high. **Roots**, 25c. each; doz., \$2.50; \$17.50 per 100. **Strong plants**, ready in May, 30c. each; doz., \$3.00; \$22.50 per 100.

**Mrs. Alfred F. Conard.** The greatest achievement in the line of cannas of the modern age. The gigantic flowers, which are borne in immense clusters on stalks often 5 and 6 feet tall, are of a delightful salmon pink, a shade which becomes more brilliant as the flower develops and which stands unapproached by other varieties. The foliage is light green and grows almost to the flower, presenting a splendid contrast. **Roots**, 25c. each; doz., \$2.50; \$15.00 per 100. **Strong plants**, ready after May 1st, 35c. each; doz., \$3.00; \$20.00 per 100.

Canna roots should be lifted in the fall before frost touches them. The leaf stalks should be cut off to within six inches of the root; they may then be kept over winter in the cellar, or in a box and covered with sand or soil and will be ready to plant out again the next season. Some varieties are apt to shrivel up during very severe weather.



Canna, "Mrs. Alfred F. Conard"

**Hungaria.** The plant habit is rather dwarf and of compact growth. The magnificent trusses of rich peach blossom pink are the finest imaginable. It is a free, early and continuous bloomer, lasting right up to November in the latitude of Philadelphia. The shade is one that will immediately arrest the eye and really must be seen to be appreciated. A large block of these, growing at our nurseries each summer, arouses great admiration. Everyone who saw them stood in bewilderment at their marvelous richness and beauty. The foliage is a rich green and very massive. Our stock is limited and we advise all who want the finest pink, large-flowering Canna in existence, to order at once. **Roots**, 25c. each; doz., \$2.50; \$15.00 per 100. **Strong plants**, ready after May 1st, 30c. each; doz., \$3.00; \$20.00 per 100.

**TESTIMONIALS ON MICHELL'S PLANTS**

**MANCHESTER, VERMONT.**

*I have a bed of Geraniums, "Helen Michell," in front of my house, with over 500 plants therein; it would do you good to hear the city people and tourists say, "Oh, isn't that grand! Gorgeous! Never saw anything like it."*

A. H. DARLING.

**BOSTON, MASS.**

*The Laurel plants sent by boat arrived yesterday in fine condition. They were well packed and are already planted where they are to grow in the woods. I am sure they will do well, as I want to duplicate the order for another year to increase my plantings.*

L. B. HUTCHINS.

**CAPE MAY, N. J.**

*Inclosed find my check to pay bill, and send me 12 more Pink Killarney Roses. The dozen already received from you were very fine, so I want more.*

J. CLARENCE GALLAHER.

**Panama.** A combination of color that is odd yet beautiful. The face of the petals, which is orange red, is encircled with a broad edge of golden yellow. It is a free bloomer and of gigantic size; green foliage; 3½ feet. **Roots**, 25c. each; doz., \$2.50. **Plants**, ready in May, 40c. each; doz., \$4.00.

**Rosea Gigantea.** A wonderful novelty, the largest of pink cannas in existence; color, a rich rose pink; flowers free, foliage green; height, four feet. **Roots**, 25c. each; doz., \$2.50; \$15.00 per 100. **Strong plants**, ready after May 1st, 30c. each; doz., \$3.00; \$20.00 per 100.

**Yellow King Humbert (Queen Helen).** This is a sport of the well-known bronze-leaved variety, but this sort has green foliage; makes an attractive, symmetrical plant, growing about 4 ft. high, surmounted with masses of golden yellow flowers, dotted red; occasionally some will be streaked red. It is of strong, vigorous habit, and makes a splendid variety to bed with the bronze-leaved King Humbert where a combination of red and yellow is wanted. **Roots**, 50c. each; doz., \$5.00. **Strong plants**, after May 1st, at same price.

**Wm. Griessinger.** Rich yellow, with lots of bright red, a beautiful variety and a great improvement in this combination of colors. **Roots**, 20c. each; doz., \$2.00; \$15.00 per 100. **Plants**, ready in May, 30c. each; doz., \$3.00; \$20.00 per 100.

**SPECIAL NOTE**—Unless otherwise ordered Cannas will be furnished in roots as far as possible. When roots are exhausted we will supply plants after May 1st (at the prices quoted for plants). If Canna Roots are wanted by parcel post, add 10c. per doz. for mailing charges; plants travel best by express.

*Imperial Bank of Canada, Fort William, Ont.*

*Gentlemen:  
I want you to ship to the Thunder Bay Country Club 200 pounds of the best putting greens grass seed you have, or let us have the same quality you shipped us last year. The business with you has been very satisfactory, so I want you to get it this year.*

*Yours very truly,  
(Signed) M. COCHRAN.*



New Canna, "Pink Beauty of Hungaria."

# MICHELL'S CHOICE CANNAS

103

See also pages 101 and 102 for other Cannas.



Canna Richard Wallace

- Alphonse Bouvier.** Rich velvety red; green foliage; 6 feet high. Splendid as a background on borders.
- Austria.** A tall-growing variety with gigantic blooms of a satiny texture, pure golden yellow; 6 feet high; foliage green.
- Crimson Bedder.** Dark red, fine shapely flowers in large trusses; green foliage; 4 feet high.
- Dr. E. Ackerknecht.** Deep carmine. See page 101. **Roots**, 20c. each; doz., \$2.00; \$15.00 per 100. **Plants**, ready in May, 30c. each; doz., \$2.75; \$20.00 per 100.
- Egandale.** A splendid bronze-leaved variety, with large cherry red flowers; 4 feet high.
- Elizabeth Hoss.** A fine yellow sort, spotted vivid red; broad petals which open well. **Roots**, 25c. each; doz., \$2.50; \$15.00 per 100. **Plants**, after May 1st, 35c. each; doz., \$3.50; \$25.00 per 100.
- Eureka.** Cream white, changing to pure white. See page 101. **Roots**, 25c. each; doz., \$2.50; \$17.50 per 100. **Strong plants**, ready May 1st, 35c. each; doz., \$3.50; \$20.00 per 100.
- Express.** One of the most satisfactory dwarf crimson cannas; a continuous bloomer; green foliage; 2½ feet high.
- Firebird.** Brilliant scarlet; green-leaved; see page 101 for full description. **Roots**, 35c. each; doz., \$3.50; \$25.00 per 100. **Strong plants**, ready May 1st, 50c. each; doz., \$5.00; \$35.00 per 100.
- Florence Vaughan.** Yellow, spotted crimson; green foliage; 5 feet high.
- Gen'l Merkel.** Bright scarlet, splashed yellow. See page 101.
- Gladiator.** Yellow, spotted red; green foliage; 4 feet high.
- Gladioliflora (New).** Resembles a Gladiolus flower. A vivid crimson, changing to carmine pink, edged yellow; green foliage; 3 feet high.

**NOTE OF PRICES.**—The above prices (except as noted) are for dormant roots in strong divisions. After May 1st our stock of roots is usually sold, at which time we can fill orders with well-developed plants of any variety on this page (except where noted). Price of roots (except where noted), 15c. each; doz., \$1.50; \$10.00 per 100. **Strong plants**, 25c. each; doz., \$2.50; \$15.00 per 100. If Canna Roots are wanted by mail, allow 10c. per doz. for postage. Canna Plants travel best by express.

**Hungaria.** Rich peach blossom pink. Large trusses; green foliage; 3 feet. **Roots**, 25c. each; doz., \$2.50; \$15.00 per 100. **Plants**, ready in May, 30c. each; doz., \$3.00; \$20.00 per 100.

**Italia.** Golden blotched crimson, orchid type; green foliage; 5 feet high.

**Kate F. Deemer.** Yellow, marked red. See page 101. **Roots**, 20c. each; doz., \$2.00; \$12.50 per 100. **Plants**, ready in May, 25c. each; doz., \$2.75; \$20.00 per 100.

**King Humbert.** Truly a king among the cannas, its majestic growth is doubly enhanced by its massive coppery scarlet flowers and the broad deep bronze foliage. It grows 4 feet high and is splendid either as a centre, edged with a dwarf yellow canna or vice versa, placing it around a centre of a tall yellow variety.

**Koros.** Light orange, scarlet streaked and dotted carmine.

**Louis Reverchon.** Cochineal red flowers, bronze foliage, free bloomer.

**Meteor.** Bright red; immense flower trusses. One of the newer red sorts. **Roots**, 25c. each; doz., \$2.50; \$17.50 per 100. **Plants**, ready after May 1st, 30c. each; doz., \$3.00; \$22.50 per 100.

**Mme. Crozy.** Scarlet, bordered yellow; green foliage; 3 feet.

**Mrs. Alfred F. Conard (New).** A beautiful salmon pink; foliage green; 5 to 6 feet. **Roots**, 25c. each; doz., \$2.50; per 100, \$15.00. **Plants**, ready in May, 35c. each; doz., \$3.00; \$20.00 per 100.

**Musafolia.** Named for its close resemblance to the old-fashioned Abyssinian Banana (Musa Ensete). This variety does not bloom.

**Panama.** Red, edged yellow, a wonderful combination of these two colors; height, 3½ feet; green foliage. **Roots**, 25c. each; doz., \$2.50. **Plants**, ready in May, 40c. each; doz., \$4.00.

**Queen Charlotte.** Crimson, bordered gold; green foliage; 3 feet high. A standard variety for bedding.

**Richard Wallace.** A remarkably free bloomer, producing gigantic clusters of light yellow flowers. It stands quite erect, about 4 feet high; green foliage.

**Robusta Perfecta.** Immense dark green leaves with small red flowers; height, 7 feet.

**Rosea Gigantea (New).** Rich rose pink; green foliage; 4 feet high. **Roots**, 25c. each; doz., \$2.50; \$15.00 per 100. **Plants**, ready in May, 30c. each; doz., \$3.00; \$20.00 per 100.

**Secretaire Chabanne.** Bright salmon pink; green foliage; 3½ feet.

**Wm. Greissing.** Rich yellow, spotted red. The best yellow canna with red markings. **Roots**, 20c. each; doz., \$2.00; \$15.00 per 100. **Plants**, 30c. each; doz., \$3.00; \$20.00 per 100.

**West Virginia.** Rich crimson scarlet with a bronze-yellow border, green foliage; about 3½ feet.

**Wyoming.** Orange red; bronze foliage a massive growing sort, about 6 feet high, orchid flowered.

**Yellow King Humbert (Queen Helen).** Splendid robust grower, 4 feet high, green foliage, golden yellow flowers, dotted red. **Roots or plants** either, 50c. each; doz., \$5.00.

## CANNAS IN MIXTURE

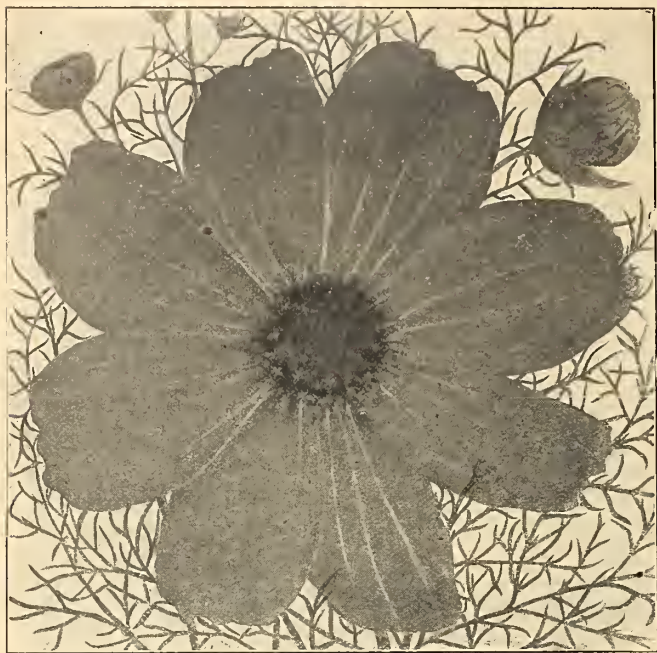
**Dwarf French.** Containing the best sorts only. A splendid mixture. Each, 10c.; \$1.00 per doz.; per 100, \$6.00.

### TESTIMONIALS ON MICHELL'S PLANTS

Mt. Morris, N. Y.  
Plants arrived yesterday. I want to compliment you on a shipment of fine, healthy, green, beautiful-looking plants, packed splendidly and received in very good condition.  
ED. C. SEYMOUR.

Monticello, Arkansas.  
Thank you for the perfectly satisfactory filling of my orders. I am pleased especially with the general quality of the plants received and the condition in which they arrived.  
LAMAR WILLIAMSON.

Coldwater, Michigan.  
Your plants came in first-class condition and they are great.  
JOSEPH HERMANN,  
Head Florist, State P. S.



Michell's Giant Flowering Cosmos

**COSMOS (Ready in May)**

Michell's Giant Flowering Strain, producing enormous long-stemmed flowers late in the autumn.  
**Pink, White, Red, each color separate.** 3-inch pot-plants, 10c. each; doz., \$1.00; \$6.00 per 100.

**CYCAS REVOLUTA (Sago Palm) (Ready in March)**

These interesting as well as ornamental plants may be grown from the dormant (leafless) trunk or stem with great success. Fine strong, dormant stems, ready about March 1st. 25c. lb.; 5 lbs., \$1.00. Allow for postage if wanted by mail.

**DAHLIA ROOTS AND PLANTS See pages 105 to 110**

**DAISY (Ready in April)**

These are especially desirable for early spring bedding before it is possible to set out most other plants. Intermingled with Pansies and Forget-Me-Nots (the latter being set out at the same time), they form an attractive combination.

**Giant Flowering English, Pink, White, Red, each separate, 10c. each; \$1.00 per doz.; per 100, \$7.00.**

**DRACAENA (Fountain Plant) (Ready in May)**

**Indivisa.** Attractive, used as a centrepiece for a round bed, urn or vase and in cemetery work. Strong plants, 5-inch pot-plants, 50c. each; 6-inch pot-plants, 75c. each; 7-inch pots, \$1.25 each.

**FERN BALLS (Dormant)**

A very attractive novelty. Full cultural directions accompany each ball if asked for. Extra large size, 75c. each; per doz., \$6.00. **Medium size, 60c. each; doz., \$5.00.** If wanted by mail, add 10c. each for postage.

**FUCHSIA (Lady's Ear Drop) (Ready in May)**

The pretty bell flowers, both single and double, appear abundantly. The plants should be set in a semi-shaded location.

- Elegans.** White and rose.
- Carmen.** Soft violet rose.
- Jos. Rojain.** Double sky blue, striped red.
- Marinka.** Beautiful rich red.

Any of the Fuchsias, 3-in. pots, 15c. each; doz., \$1.50; 100, \$10.00.

**GERANIUMS (Ready in May)**

Our stock of these except Mme. Salleroi is in 4-inch pots, very bushy, well shaped, carefully grown.

- Alphonse Ricard.** Bright scarlet, double.
- Beaute Poitevine.** Salmon pink, very double.
- Helen Michell.** Bright rich scarlet, gigantic flower; to date the very best of its color. 25c. each; doz., \$2.50; \$17.50 per 100.
- La Favorite.** Double, pure white.
- Mme. Salleroi.** Variegated leaves, used extensively for edging. This variety is in 3-inch pots.
- Mrs. E. G. Hill.** Soft salmon pink, single flowers.



**Mrs. Lawrence.** Bright salmon pink, dwarf, compact grower. Excellent bedder, an indispensable pot plant.

**Rose Geranium.** Grown for its scented foliage.

**S. A. Nutt.** Rich crimson, double.

Price (except where noted) of any of the above Geraniums, extra fine stock, 4-inch pots, 20c. each; doz., \$2.00; \$12.00 per 100.

**GLOXINIAS**

A gorgeous plant either for conservatory or garden. They prefer a moist soil and a shady situation. Bulbs may be started as early as January, but should not be set outdoors until after May 15th. Bulbs must be lifted in the fall.



Illustration of a Gloxinia Flower

	Each	Doz.	100
<b>Cattleya.</b> Orchid pink .....	\$0.30	\$3.00	\$20.00
<b>Defiance.</b> Brilliant scarlet .....	.30	3.00	20.00
<b>Emperor William.</b> Ultramarine blue .....	.30	3.00	20.00
<b>King of Reds.</b> Bright crimson .....	.30	3.00	20.00
<b>Graf Zeppelin.</b> Carmine, fringed .....	.30	3.00	20.00
<b>Unnamed varieties in the following colors: Red and Scarlet, White, Blue, White Spotted Scarlet, Scarlet Bordered White, Blue Bordered White.</b>			
	20c. each;	per doz., \$2.00;	\$12.00 per 100.
<b>Mixed Colors,</b> 12c. each; per doz., \$1.25; \$8.00 per 100.			
Single bulbs mailed free; for dozen lots add 10c. for postage.			

Our list this season has again been thoroughly revised, many of the older varieties of Dahlias have been omitted and superseded by others that are much superior, in fact, our offering contains many sorts not found elsewhere in this country. Where plants are offered these will be ready early in May, during which month they may be set out, although they are planted with great success all during June and July, and will give splendid results. The natural season for the Dahlia to be at its best is during September and October; in fact, effort to get superior blooms before that time should not be attempted. Dahlias like cool, moist nights which do not exist in July and August. To get large flowers the plants should be disbudded during June and July, while the August buds should be allowed to develop one on a stem. Don't fertilize Dahlias much until the bloom begins to develop.

While Dahlias will sometimes succeed even under adverse conditions, it will amply repay you with larger and better flowers, if you follow the following instructions. There is no plant that more highly appreciates good treatment.

Spade or plow the ground to a depth of about 8 inches. As a fertilizer use either well-rotted Stable Manure or, better still, Sheep Manure, which should be well mixed with the soil. When the soil is properly prepared, dig a hole, 6 inches deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to depth of 4 inches. Every Dahlia should have from 2½ to 3 feet space and at least 4 feet between the rows.

As soon as the plants are a foot above the ground, they should be tied to the stake. The best material for this purpose is Raffia or Raffia tape.

Keep the ground well cultivated and free from weeds. A frequent stirring of the surface is very beneficial. An application of Sheep Manure and Bone Meal about every two weeks will be of greatest benefit.

Never leave more than one or two stalks in a hill. You will have better plants and larger flowers if you will allow only one sprout to grow.

If plants are set out, practically the same treatment applies, but the planting should better be delayed until the latter part of May. Plants produce, as a rule, less leaf growth and more flowers.

After the frost has killed the foliage, lift the clumps with a spade or fork and allow them to dry in the sun for about ½ day. They should then be stored in a cool cellar, but free from frost. Cover the clumps with peat or soil, to keep the air from them and thus prevent them from shriveling up during winter.

**ABOUT DAHLIA PLANTS.** It happens sometimes that there is an unusually large demand for certain varieties, and our stock of these as a consequence becomes exhausted; in such instances we will send out strong plants after May 1st, after which time most all Dahlia orders are filled with plants.

**Note.** This season we have reduced considerably our list of varieties of dahlias; each season there are new sorts added, and unless revised carefully the number of dahlias to choose from, we



Show Dahlia, "Mrs. Roosevelt" (see page 107).

feel, becomes cumbersome to the buyer, so that our offer includes what we believe to be A-1 varieties. Also, we have arranged the entire collection in strict alphabetical order, and followed the name with the type and description. We trust customers will find this convenient.

- A. D. Livoni** (Double Show). Clear pink, of splendid form and old variety, but still a favorite.
- Apple Blossom** (Single). Delicate "appleblossom" pink tipped carmine red, a wonderfully free bloomer.
- Arabella** (Double Show). Canary yellow with pink shadings on the outer edge.
- Aristed Gurtler** (Cactus). Orange suffused scarlet, darker toward the centre, very narrow petals. 30c. each; doz., \$3.00.
- Australian** (Cactus). Brilliant rich purple suffused bright crimson.
- Autumn Glow** (Decorative). A large, perfect flower of excellent form; primrose-yellow with bronze shadings; fine for cutting.
- Ayesha** (Decorative). Of immense size. Clear pure sulphur yellow, of perfect form with long, erect flower stems. 35c. each; doz., \$3.50.
- Beloit** (Decorative). Giant flowers on long massive stems; rich deep red; very free bloomer. 30c. each; doz., \$3.00.
- Bertha Von Suttner** (Paeony). Ivory white centre, shaded lighter toward edge; suffused delicate pink; beautifully twisted and curled petals. 35c. each; doz., \$3.50.
- Bessie Clark** (Double Century). Mauve pink toward the end of season. The centre shows a suffusion of golden yellow. 35c. each; doz., \$3.50.
- Blue Obau** (Decorative). Rich reddish purple. A beautiful flower; large and very free.
- Capstan** (Cactus). Yellow shading to orange red; of perfect form; excellent for cutting.
- Cardinal** (Single). Fiery scarlet; large bloomer on long stems.
- Catherine** (Pompon). Primrose yellow; an attractive flower. 20c. each; doz., \$2.00.
- Catherine Duer** (Decorative). Bright iridescent crimson scarlet; a large, perfect flower.
- Chas. Lanier** (Double Show). Enormous flowers of perfect form and outline; rich amber shaded buff.

All Dahlias on this page (except where noted), 25c. each; dozen, \$2.50; \$18.00 per 100.



Decorative Dahlia, Madame van den Dael (see page 107).

# MICHELL'S SUPERB DAHLIAS



Decorative Dahlia, Golden Wedding

- Cockatoo** (Cactus). Lemon yellow shaded rose with white centre; sometimes is entirely yellow; narrow, long, uncurved petals; makes a beautiful flower.
- Countess of Lonsdale** (Cactus). Profuse bloomer; rich salmon pink.
- Country Girl** (Cactus). One of the finest varieties for cutting and garden decoration; golden yellow, suffused salmon pink.
- Crawley Star** (Single). Clear rose pink; splendid cutting variety; free bloomer. 35c. each; doz., \$3.50.
- Crimson Globe** (Double Show). Rich crimson, perfectly formed, early and free bloomer, with long stems.
- Crimson Giant** (Decorative). Rich glowing crimson, immense flowers and a free bloomer.
- Cuban Giant** (Double Show). Rich maroon; almost ball shaped; very large; an early bloomer. 30c. each; doz., \$3.00.
- C. W. Bruton** (Decorative). One of the freest bloomers and old variety, but hard to eliminate from the list. Always in demand. Rich canary yellow.
- Daybreak** (Pompon). Beautiful shade of clear pink; flower very double and evenly quilled. 25c. each; doz., \$2.50; \$15.00 per 100.
- Delicatissima** (Cactus). Delicate pink; of perfect form.
- Delice** (Decorative). Beautiful rose pink; a splendid large flower; still popular, though not new.
- Dorothy Peacock** (Double Show). A beautiful pale lilac rose with a white centre; a profuse bloomer with long, erect stems.
- Dragon d'Or** (Cactus). Full double flower, which, when fully open, is very large; bright canary yellow; petals cleft.
- Dreer's White** (Double Show). A fine, large flower; of beautiful form; pure white; long stemmed. 35c. each; doz., \$3.50.
- Dreer's Yellow**. In form and type like the above; of beautiful shape; rich yellow. (Plants only.) 50c. each; doz., \$5.00.
- Duchess of Marlborough** (Cactus). A wonderfully free bloomer, solferino shaded or flushed golden yellow at the base of the petals. 30c. each; doz., \$3.00.
- E. F. Hawes** (Cactus). A pretty shade of clear salmon pink; long stemmed.
- Emily** (Double Show). Large, free bloomer, solferino red with white markings.
- Etandard de Lyon** (Cactus). Large massive blooms, often 6 inches; on strong stems; profuse and early bloomer. Reddish violet overlaid Tyrian rose. One of the finest dahlias in existence. Broad, curled petals. 50c. each; doz., \$5.00.
- Exposition de Lyon** (Collarette). Rich garnet striped white, splashed crimson.
- Fernand Olivet** (Cactus). Of exceptional color combination, being maroon shaded scarlet with a black centre.

- Fire Rain** (Decorative). Rich red; one of the most profuse bloomers.
- Flamingo** (Decorative). Of beautiful form, sometimes showing an open centre; color violet rose; overlaid Tyrian rose; very free, early bloomer. (Plants only.) 35c. each; doz., \$3.50.
- Flora** (Cactus). Pure white, long stemmed flowers.
- Floradora** (Cactus). Flower of immense size, with claw-like petals curved inward; distinct blood red; free bloomer.
- F. W. Fellows** (Cactus). Orange red, with very long petals; free bloomer; a splendid newer sort. 50c. each; doz., \$5.00.
- Galathea** (Cactus). A distinct flower of a soft violet rose with mauve shadings; of perfect form.
- Geisha** (Paeony). One of the most striking varieties, being a combination of scarlet and gold, which varies or alternates with each petal; probably one of the most artistic dahlias in cultivation. 60c. each; doz., \$6.00.
- Gen'l Buller** (Cactus). Rich velvety crimson, tipped white; fine flower.
- Gen'l French** (Cactus). A delightful shade of orange terra-cotta.
- Germania** (Paeony). Bright, glowing crimson; long stout stems; attractive and showy. 30c. each; doz., \$3.00.
- Glory of Wilts** (Cactus). A magnificent, bright, yellow variety; a gigantic bloom; very profuse bloomer.
- Gold Medal** (Double Show). Sunflower, yellow tipped and suffused. Oriental red. A striking flower. 30c. each; doz., \$3.00.
- Golden Century** (Single). A beautiful shade of light orange.
- Golden Eagle** (Cactus). Incurved flower; very large; pleasing golden buff; very distinct.
- Golden Gate** (Cactus). Very large flower; deep golden yellow; suffused fawn. 35c. each; doz., \$3.50.
- Golden Plover** (Cactus). Of neat, perfect form, with long, stout flower stems; bright yellow shaded; darker on the older petals.
- Golden Wedding** (Decorative). Clear brilliant yellow; of beautiful form and very free.
- Goldland** (Cactus). Primrose yellow; excellent form, free bloomer.
- Gorgeous** (Single Century). Brilliant dazzling scarlet with an occasional white stripe or a pure white petal.
- Grand Duke Alexis** (Double Show). Pure white overlaid delicate lavender toward the centre.
- Hampton Court** (Paeony). Beautiful mauve pink; one of the most showy of the paeony flowered types. 30c. each; doz., \$3.00.
- Hortulanus Budde** (Paeony). Very free bloomer; a beautiful shade of rich orange red; very large flowers; of good form on long, stiff stems. 50c. each; doz., \$5.00.
- Hortulanus Fiet** (Decorative). Enormous flowers, often 8 inches across; delicate shrimp pink; petals tipped golden yellow. 60c. each; doz., \$6.00.

All Dahlias on this page (except where noted), 25c. each; dozen, \$2.50; \$18.00 per 100.



Cactus Dahlia, Rene Cayeux (see page 108)



# MICHELL'S SUPERB DAHLIAS

- Hugo de Vries** (Paeony). A handsome combination of orange and brown.
- H. W. Sillem** (Cactus). Brilliant vermilion scarlet, very long petalled flowers.
- Jack Rose** (Decorative). One of the most free-flowering and perfect formed Dahlias. The flowers are rich crimson on stiff wiry stems; excellent for cutting.
- J. H. Jackson** (Cactus). One of the largest of the cactus varieties, large, rich velvety maroon.
- John Riding** (Cactus). Enormous flowers of splendid incurved form. Its exceptional size, perfect form, great depth and deep rich crimson color places this variety in the front rank. 35c. each; doz., \$3.50.
- John Wanamaker** (Paeony). One of the largest and most handsome of Dahlias, being an exquisite shade of rosy lake, called orchid pink. 35c. each; doz., \$3.50.
- Kalif** (Cactus). Very large, pure scarlet. A strong plant producing the giant flowers freely on long, stiff stems, quite easily one of the best sorts in cultivation. 75c. each; doz., \$7.50.
- Kismet** (Cactus). A distinct new variety; color cerise with rosy shading at tips. Excellent form, the florets being narrower than usual, tightly tubular and perfectly incurved. 35c. each; doz., \$3.50.
- Klein Domitea** (Pompon). Salmon buff; very profuse bloomer of fine form. 25c. each; doz., \$2.50; \$15.00 per 100.
- Kriemhilde** (Cactus). Delicate soft pink, with a distinct white centre, an old favorite.
- Lawine** (Cactus). An exquisite variety of excellent form and enormous size. It is a glistening white, but occasionally a flush of blush is found on some flowers.
- Le Grand Manitou** (Decorative). A gigantic flower of excellent form, beautiful shade of violet, mottled and striped purple. 30c. each; doz., \$3.00.
- Lord Minto** (Cactus). Pale yellow, shaded soft rosy salmon at end of petals. Very symmetrical flowers with long, quilled petals. Splendid for cutting.
- Lorna Doone** (Cactus). This beautiful variety is especially suitable for garden decorations or for cutting. It is of splendid Cactus form; grows erect, not too tall. The greater part of the flower is carmine pink, shaded yellow at the base. 50c. each; doz., \$5.00.
- Lyndhurst** (Decorative). A fine cutting variety and a great bloomer; bright scarlet.
- Mad. Henry Cayeux** (Cactus). The best of all Cactus Dahlias. The flowers are gigantic; the florets are very narrow and come to a needle point. The centre of the flower is pure white, the petals are most delicate rose pink. Splendid cut flower.



**Dahlia Collarette**

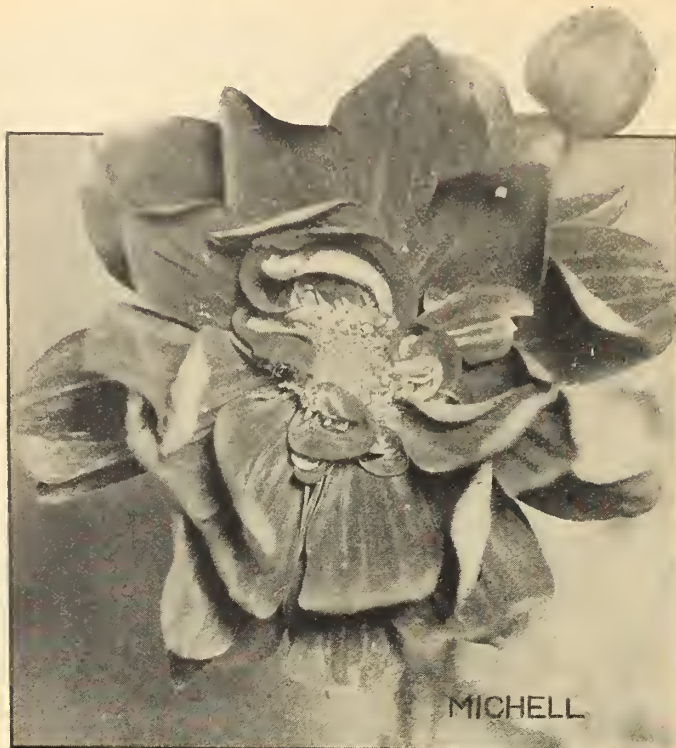
- Marathon** (Cactus). Brilliant rich purple, very distinct color and of exquisite form.
- Maurice Rivoire** (Collarette). Blood red, with deeper stripes down the centre; pure white, fringed collar.
- Mauve Queen** (Cactus). Long incurved petals; clear mauve, shaded lighter toward centre.
- Melody** (Cactus). The most distinct of our new sorts and the most admired by all who have seen it. Color, clear yellow for half the length of the florets, the remainder being pure white. Of typical Cactus form. 35c. each; doz., \$3.50.
- Mina Burgle** (Decorative). A rich luminous, dark scarlet on long, stiff stems; splendid both for cutting and garden decoration; free-flowering. 35c. each; doz., \$3.50.
- Miss Minnie McCullough** (Decorative). Superb soft yellow, overlaid bronze.
- Miss Stredwick** (Cactus). One of the finest Cactus Dahlias; soft yellow at base, changing to deep pink; long flower stem. 35c. each; doz., \$3.50.
- Miss Willmott** (Cactus). A grand cut flower and splendid for garden decorations. Reddish apricot, shading to golden yellow at the centre.
- Mlle. Marie Doucet** (Cactus). One of the freest flowering varieties. Color a lively mauve pink, shading to white at the centre.
- Mme. van den Dael** (Decorative). Shell pink, shaded deep rose. The shape of the flower is perfect and lasts well when cut.
- Mrs. Alfred Dyer** (Decorative). Centre, pale lemon yellow, deepening to a soft pink, petal tips almost white; of dwarf growth, and a free bloomer. 35c. each; doz., \$3.50.
- Mrs. Chas. Turner** (Decorative). Clear canary yellow; very profuse bloomer.
- Mrs. H. J. Jones** (Cactus). Brilliant scarlet, edged blush white. The flowers are of exquisite form. 20c. each; doz., \$2.00; \$15.00 per 100.
- Mrs. Henry R. Wirth** (Cactus). Rich brilliant scarlet, of wonderful free-flowering habit.
- Mrs. J. Gardner Cassatt** (Decorative). This variety is one of the finest ever introduced. The color is most exquisite, a deep rose shade. Excellent for cutting, having a long, stiff stem.
- Mrs. Reginald Bailey** (Cactus). Immense size, splendid form with long, narrow, incurved petals; color, brilliant glistening crimson; early and continuous bloomer. The finest crimson Cactus.
- Mrs. Roosevelt** (Decorative). The flowers of this popular variety have a very distinct form, having large fluted petals flatly arranged. The color, an exquisite daybreak pink, is not approached by any other sort. 35c. each; doz., \$3.50.



**Pompon Dahlia, Philip Freud** (see page 108).

All Dahlias on this page (except where noted), 25c. each; dozen, \$2.50; \$18.00 per 100.

# MICHELL'S SUPERB DAHLIAS



Paeony-Flowered Dahlia, Hampton Court (see page 106).

- Model** (Cactus). Quite a model of neatness and true cactus form. The florets incurve with perfect regularity. The color is soft yellow at base, gradually deepening to clear pink, then yellow again at the tips. 50c. each; doz., \$5.00.
- Nerthus** (Cactus). Rich bronzy orange yellow, shading to carmine-rose at the tips, the whole suffused with a glowing golden color. 35c. each; doz., \$3.50.
- Newport** (Decorative). Soft delicate pink; later in the season it takes on a deeper shade. Might be classed as a cross between a decorative and a paeony flowered type, as it resembles both. (Plants only), 35c. each; doz., \$3.50.
- Nibelungenhort** (Cactus). Immense flowers, 7 to 8 inches across, rich golden apricot, suffused old rose; very free bloomer on long stiff stems. 50c. each; doz., \$5.00.
- Norma** (Double Show). Very large perfectly formed flowers, bright orange.
- Perle de Lyon** (Decorative). A pure white exhibition variety of great value. The petals are fringed or nitched, giving a unique appearance. The flowers are perfect in form, and produced on long, stiff stems.
- Philip Freud** (Pompon). Splendid cut flower variety, good keeper, splendid shade of orange. 25c. each; doz., \$2.50; \$15.00 per 100.
- Phoenix** (Cactus). A bold, large flower of rich carmine red; very attractive and large-flowering; splendid cut flower.
- Pink Pearl** (Cactus). Delicate pink, suffused white in the centre. An old favorite.
- Poinsettia** (Duplex Century). Rich scarlet, a very beautiful flower, petals resembling in form the Christmas plant of the same name. 30c. each; doz., \$3.00.
- Princess Bonnie** (Double Show). Creamy white, tinted dainty pink, not new, but still in popular demand.
- Queen Emma** (Paeony). A charming shade of soft rose pink, the inner petals banded with gold. A beautiful variety and vigorous grower.
- Queen Wilhelmina** (Paeony). One of the finest white Paeony Dahlias, producing flowers on exceedingly long stems, well above the foliage; excellent for decorative purposes. 35c. each; doz., \$3.50.
- Record** (Cactus). A fine variety with large oriental-red flowers; perfect form; excellent for cutting. 50c. each; doz., \$5.00.
- Rene Cayeux** (Cactus). Rich geranium red; splendid for cutting.
- Rev. T. W. Jamieson** (Cactus). An exhibition variety, bright pink with salmon base, incurved petals.
- Rhein Koenig** (Cactus). A splendid exhibition variety. The giant flowers, which often measure 5 to 6 inches in diameter, are glistening snowy white. Flowers appear early and continue in such profusion that the foliage is almost hidden with the blooms.
- Rheingau** (Cactus). Enormous flowers, produced freely on long stems, far above the foliage, of rich brilliant scarlet.
- Rheinischer Frohsinn** (Cactus). Large flowers of exquisite form; long incurved petals, white at the base, becoming suffused at half their length with bright carmine rose. 35c. each; doz., \$3.50.
- Richard Box** (Cactus). Clear light yellow; of perfectly incurved form. 35c. each; doz., \$3.50.
- Riessen Edelweiss** (Paeony). Pure glistening white of gigantic size. 35c. each; doz., \$3.50.
- Rosepink Century** (Century). Of a beautiful rose pink color. The plant is an exceptionally free bloomer, producing well shaped flowers on long stems well above the foliage.
- Schneekoenigin** (Cactus). A magnificent pure white, of large size. Ideal form, and splendid quality; the flowers are held well above the foliage. 35c. each; doz., \$3.50.
- Serene** (Cactus). Broad tapered petals, rosy pink, shaded white toward centre. 35c. each; doz., \$3.50.
- Sherlock** (Cactus). Orange scarlet, suffused apricot; the flowers are very large and are borne in great profusion on long, stiff stems; fine for cutting.
- Snowlad** (Pompon). A fine pure white, of excellent habit. 25c. each; doz., \$2.50; \$15.00 per 100.
- Souvenir de Chabaune** (Collarette). Golden yellow, suffused scarlet. Yellow collar, tipped white.
- Souvenir de Gustave Doazon** (Decorative). One of the largest decorative Dahlias, measuring often 8 inches in diameter. Color is a beautiful red. The flowers are of most perfect form.
- Stability** (Cactus). Flowers perfectly full in centre and of good cactus form, their pretty pink color showing to great advantage. 50c. each; doz., \$5.00.
- Starlight** (Cactus). Deep yellow near the base of the petals, gradually lightening to palest lemon; and finally white at the tips. True Cactus form. 50c. each; doz., \$5.00.
- St. George** (Single). Primrose yellow, very attractive.
- Storm King** (Double Show). Pure white, compact grower, beautifully quilled.
- Success** (Cactus). Of a bright canary yellow, with fine needle-like petals. It is an early and free bloomer and will give splendid satisfaction.
- Sunshine** (Cactus). Rosy pink, tipped lighter; fine for cut flowers.
- Sweetbrier** (Cactus). One of the loveliest shades of clear soft pink; very long narrow incurved petals. 35c. each; doz., \$3.50.
- Sylvia** (Decorative). Deep pink, tinting to flesh color at centre; large perfect form, on long stiff stems.
- Thais** (Cactus). Pure white, suffused mauve; a beautiful combination. 35c. each; doz., \$3.50.
- The Swan** (Cactus). This new variety will prove to be the best of all white Cactus Dahlias. It is a robust, not too tall grower, the flower stems being erect. For cut flowers they are unexcelled. This beautiful variety should be in every collection. 35c. each; doz., \$3.50.
- Tricolor** (Cactus). The ground is golden yellow, while each petal is marked scarlet.
- Twentieth Century** (Single). Intense rosy carmine, with white tips and white disc around the yellow centre.
- Yellow Duke** (Double Show). Splendid well-formed flower, primrose yellow.
- White Century** (Century). Pure white, with large heavy petals. Profuse bloomer.
- Wildfire** (Single). Brilliant scarlet; very large flower.
- Wild Fire Century** (Single). Cochineal red, shaded orange, scarlet, very dwarf.
- Wm. Agnew** (Decorative). Very large flowers of glistening scarlet crimson; blooms early and lasts until frost; splendid for cutting.
- Wodan** (Cactus). Old gold at centre, shading to salmon pink; flowers very large and beautifully formed.
- W. W. Rawson** (Show). A fine shaped, massive, large double flower, which is produced on long stems; pure white, delicately overlaid with mauve.

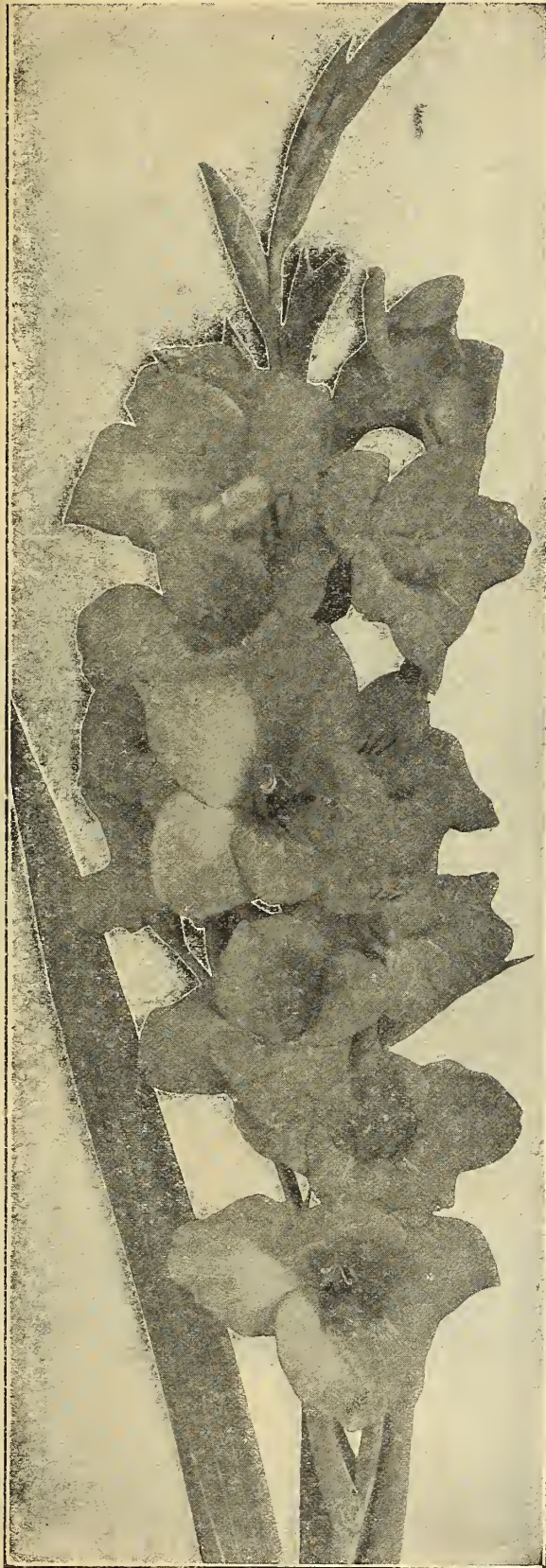
## UNNAMED DAHLIAS

	Each	Doz.	100
Double White .....	\$0.15	\$1.50	\$10.00
Double Red .....	.15	1.50	10.00
Double Yellow .....	.15	1.50	10.00
Double Mixed, all colors .....	.12	1.00	7.50
Double Pink .....	.12	1.25	9.00
Single Mixed, all colors .....	.10	1.00	7.00
Cactus Mixed, all colors .....	.10	1.00	7.00

All Dahlias on this page (except where noted), 25c. each; dozen, \$2.50; \$18.00 per 100.

# MICHELL'S SUPERB GLADIOLI BULBS

IN MIXTURE AND SEPARATE COLORS, UNNAMED SORTS



A type of Michell's Giant Flowering Mixture of Gladiolus

We have grown the past season approximately one-half million bulbs of the finest quality all true to name.

What a wonderful stride this flower has made during recent years. Its popularity to-day is exceeded by few other flowers and it has by no means reached its limit. And there are good reasons for this popularity. Failure with this flower has never been known. They will grow in any open position and bloom well. They are not only showy in the garden but when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

## GOLD MEDAL STRAIN MIXTURES

This strain which is offered in mixtures of distinct shades originated with the celebrated Gladiolus Specialist, Mr. Groff, who after careful reselection considers what is offered as the Gold Medal Strain, the very cream of all his collection. In order to distinguish between the Gold and Silver Trophy Strain, we wish to state that the former has been made along these lines, larger flowers, rarer colors, ideal stems and types of extended flowering period. These are equal to the best named varieties, but simply have never been christened.

**Section 1.** All shades and combinations of red, scarlet and crimson. Each 10c.; \$1.00 per doz.; \$6.00 per 100, by express collect.

**Section 2.** Contains all the finest shades of yellow, delicate pink, rose and white. Each 15c.; \$1.50 per doz.; \$10.00 per 100, by express collect.

**Section 3.** This embraces all the shades of blue, heliotrope, mauve, lilac and similar colors. (No smoky or slate blues.) Each, 20c.; \$2.00 per doz.; \$15.00 per 100, by express collect.

## SILVER TROPHY STRAIN MIXTURES

Before the Gold Medal strain (mentioned above) was known, the mixtures under the title of Silver Trophy, were the choicest assortment of the same specialist. It constitutes to-day a very superior selection of what is generally known as mixture, and offers the opportunity to do one's planting in shades of the same character.

**Section 1.** This embraces all the shades of scarlet, red and crimson, care being taken to eliminate the objectionable ones. 5c. each; per doz., 40c.; \$2.50 per 100.

**Section 2.** The cream of all the yellow, pink, white and light shaded colors. 7c. each; per doz., 60c.; \$3.50 per 100.

**Section 3.** Lilac, heliotrope, violet and all the shades of light and dark blue compose this selection. The colors are most exquisite. 7c. each; per doz., 75c.; \$4.00 per 100.

## MICHELL'S MIXTURES OF GLADIOLUS

**Giant Flowering Strain** (see illustration). Every bulb for this mixture has been selected with utmost care for coloring, size of flower and purity, no other mixture can boast of such careful selection. It is principally grown in our own nursery. 5c. each; per doz., 50c.; \$3.50 per 100; \$30.00 per 1000.

<b>Groff's New Hybrids.</b> Extra fine .....	\$0.04	\$0.40	\$2.50	\$22.50
<b>Lemoines Butterfly.</b> Brilliant varieties .....	.04	.35	2.25	20.00
<b>Childsii.</b> A distinct mammoth type .....	.05	.50	3.50	25.00
<b>Extra Choice.</b> All colors mixed .....	.03	.30	1.75	15.00

## UNNAMED GLADIOLUS (In Separate Colors)

<b>White and Light Shades</b> .....	Each	Doz.	100	1000
	\$0.04	\$0.40	\$2.75	\$25.00
<b>Yellow in all Shades</b> .....	.06	.65	4.50	40.00
<b>Scarlet</b> .....	.04	.35	2.25	20.00
<b>Pink</b> .....	.04	.40	2.75	25.00
<b>Striped and Variegated</b> .....	.05	.50	3.50	30.00

## SPECIAL COLLECTION OF NAMED GLADIOLUS

As an inducement to popularize the choicer named Gladiolus, we offer the following collections at attractive prices; for this reason the selection must be our own, customers may be sure, however, of getting a wide range of colors.

<b>Collection No. 1.</b> — 12 bulbs, 1 each of 12 varieties, our selection.....	Price	\$0.75
<b>Collection No. 2.</b> — 25 " 1 " 25 " " " " .....	2.00	
<b>Collection No. 3.</b> — 50 " 2 " 25 " " " " .....	3.75	
<b>Collection No. 4.</b> — 100 " 4 " 25 " " " " .....	7.25	

## GLADIOLUS, CANNAS AND DAHLIAS

A comprehensive treatise on these important popular flowers, giving up-to-date cultural instructions. Free for the asking.

THE MOST MAGNIFICENT SET EVER OFFERED AND WORTHY OF A PLACE IN YOUR COLLECTION.



Gladiolus "Winsome"

**Charmer.** Large, broad-petalled flowers of soft mauve pink, blending off lighter in the throat, which is penciled carmine. 25c. each; doz., \$2.50; \$15.00 per 100.

**Cynosure.** Immense flowers of exquisite deep rose-pink, marked on the lower petals with a throat blotch of crimson; tall, strong, well filled spikes. 25c. each; doz., \$2.50; \$17.50 per 100.

**Fascinator.** Splendid large flowers of salmon pink, tinted with flames of carmine; throat blush with carmine-lake pencilings long, well-filled spikes. 20c. each; doz., \$1.75; \$12.50 per 100.

**Fire King.** Long graceful spikes showing half a dozen immense blooms open at the same time. Color, intense scarlet. More brilliant than any other scarlet variety. A perfectly grand variety. 20c. each; doz., \$2.00; \$15.00 per 100.

**Leslie.** Light delicate pink with rich crimson maroon blotches, pointed white. 25c. each; doz., \$2.50; \$15.00 per 100.

**Melrose.** White flaked pink, bright crimson centre. Very large and fine. 20c. each; doz., \$1.75; \$12.00 per 100.

**Negerfürst.** Very dark blood black, with velvety black spots; inflamed with white and flaked lilac-rose. A very odd, beautiful color, long graceful spike and robust free habit. Best of the dark varieties. 30c. each; doz., \$2.75; \$20.00 per 100.

**Richred.** Tall and handsome spikes with large flowers of splendid form, and a rich deep blood red color. 20c. each; doz., \$1.75; \$12.50 per 100.

**Ruby King.** Fine compact spike, tall and graceful, flowers of great substance and of an intense dark ruby red, glowing with peculiar richness; very fine indeed. 20c. each; doz., \$1.75; \$12.50 per 100.

**Silvretta.** Creamy white with carmine blotches on lower petals; spike strong and tall. Late flowering. 35c. each; doz., \$3.50; \$25.00 per 100.

**War.** The grower refers to this as a bad name but a splendid gladiolus, undoubtedly one of the largest flowered sorts; the color is deep blood red, shaded crimson. 20c. each; doz., \$2.00; \$15.00 per 100.

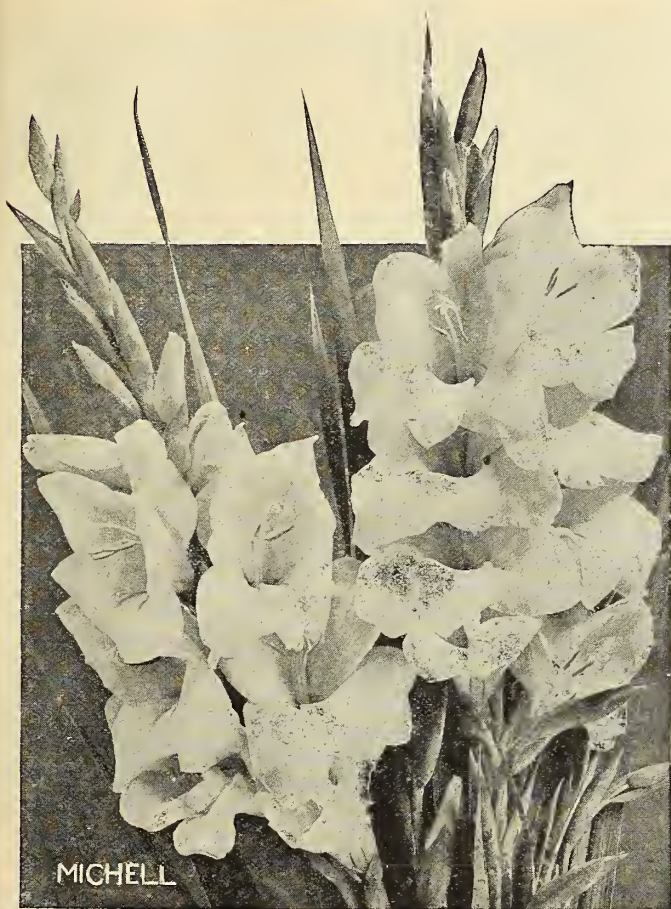
**Winsome.** Great round flowers of exquisite blush, shot and shaded with carmine-pink. A conspicuous throat blotch of crimson-lake ornaments each of the lower petals; sturdy, upright spike. 20c. each; doz., \$2.00; \$15.00 per 100.

**SPECIAL OFFER.**—One Bulb each of the 12 magnificent varieties, listed on this page, for \$2.50.



Gladiolus "Fascinator"

# MICHELL'S NAMED SUPERB GLADIOLI 111



Gladiolus "America"

**America.** One of the best Gladioli in existence. The color is a beautiful flesh pink, tinged with lavender. The flowers are of the largest size, the petals are round, thick and strong, and will last a long time after being cut. For groups or in vases there is no other flower which can excel it in effectiveness. 5c. each; doz., 50c.; \$3.50 per 100.

**Attraction.** Immense flowers of a most pleasing deep rose, with white throat, which makes it a most beautiful and attractive variety. 6c. each; doz., 50c.; \$3.25 per 100.

**Augusta.** A real gem for the garden, producing graceful, slender stems, which are dressed entirely with beautiful flowers of pure white, slightly tinged and striped pink, which open all at one time. For massing in front of shrubbery or tall perennials this variety is excellent, also for cut flower purposes. 6c. each; doz., 50c.; \$3.25 per 100.

**Baron Hulot.** Large flowers, well arranged on long spikes. Color is a deep indigo blue, slightly marked white at the base of the throat; very attractive, when arranged with yellow flowers in a vase. 6c. each; doz., 60c.; \$3.50 per 100.

**Brenchleyensis.** An old standard sort and one of the best for bedding or planting in front of shrubbery, where one shade of rich scarlet is desired. The flowers, which appear all at one time, are of a vermilion scarlet color, and are also splendid for cutting. 4c. each; doz., 35c.; \$2.25 per 100; per 1000, \$20.00.

**Brilliant.** Beautiful orange red, with carmine and white throat; a gigantic flower on a tall, stiff stem. It is one of the very best of the scarlet sorts and should be in every collection. 10c. each; doz., \$1.00; \$7.00 per 100.

**Canary Bird.** Without doubt a fine canary yellow, a shade that is pleasing and attractive. The massive spikes are closely set with flowers. 12c. each; doz., \$1.25; \$8.50 per 100.

**Cardinal.** A perfect spike and flower of the brightest, and most intense cardinal red. Very rich and showy, and considered one of the finest of the red varieties. 20c. each; doz., \$2.00; \$12.50 per 100.

**Contrast.** One of the most showy of all Gladioli. The intense dazzling scarlet flowers present a striking contrast with a combination of a pure white band around each petal and a conspicuous marking of white in the throat; very effective and pleasing at sight. 40c. each; doz., \$4.00.

**Eugene Scribe.** A standard variety of great beauty. Large open flowers of a tender rose shade, blazed carmine. 8c. each; doz., 75c.; \$5.00 per 100.

**Europa.** Gigantic flowers of purest white without a trace of any other color. Spike averages 25 blossoms. It has received highest awards at every exhibition where shown. 25c. each; per doz., \$2.50; \$17.50 per 100.

**George Paul.** One of the largest-flowering varieties, produced in great numbers on graceful slender stems; color, rich crimson. Splendid for cutting and for massing in front of shrubbery. 15c. each; doz., \$1.50; \$10.00 per 100.

**Glory of Holland.** A splendid pure white variety with no trace of other color except lavender anthers. 20c. each; doz., \$2.00; \$12.50 per 100.

**Glory (Kunderdi).** A beautiful distinct variety with ruffled petals. Produces massive spikes with large creamy pink flowers, penciled crimson in the throat. 10c. each; doz., \$1.00; \$7.00 per 100.

**Halley.** Very large, well expanded flowers of a lovely salmon pink; the lower segments are blotched yellow with carmine markings; robust grower. 5c. each; doz., 50c.; \$3.25 per 100.

**Hollandia.** A distinct shade of beautiful salmon yellow, producing long spikes covered with large individual flowers. It is one of the best for outdoor culture. On account of the war we were unable to get our supply of these.

**I. S. Hendrickson.** A beautiful irregular mottling of white and rose; in some the pink and in others the white predominates. 12c. each; doz., \$1.25; \$8.00 per 100.

**Jean Dieulafoy.** One of the earliest to flower. The lovely creamy white blooms are decorated with a conspicuous blotch of red in the throat. 20c. each; doz., \$2.00; \$12.50 per 100.

**Klondike.** A most hardy, vigorous and productive sort. The flowers, which are of medium size and of great substance, are clear primrose yellow with a crimson blotch in the throat. Of dwarf habit, this variety is unexcelled for massing or in front of shrubbery, etc. 5c. each; doz., 50c.; \$3.25 per 100.

**Lemon Drop.** Strong vigorous plant, blooming early; flowers round, well opened, of a light lemon yellow with a brighter yellow band. 12c. each; doz., \$1.25; \$8.00 per 100.

**May.** One of the best of the older varieties; a strong and vigorous grower. Color is a fine white delicately flecked crimson; a slender spike, extensively used for forcing. 5c. each; doz., 50c.; \$3.50 per 100.

**Mrs. H. B. Fullerton.** A grand new variety; flowers are very large and well expanded, spike straight and strong; color ruby red with white blotches. 40c. each; doz., \$4.00.

**Mrs. Francis King.** One of the best and most popular sorts, which comes in for much admiration, both for size of flower and beauty. A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers, 6 to 8 being open at one time. Many of the bulbs produce two and three flower-spikes; a gem among Gladioli. 5c. each; doz., 50c.; \$3.25 per 100.

## IMPORTANT MEMORANDA

Most people want the biggest bulbs they can get. Many varieties of gladioli produce only medium sized bulbs and for that reason should not be condemned. This is especially true in the case of mixed gladioli, either in colors or shades of color. The smaller bulbs are frequently the finest varieties.

# 112 MICHELL'S NAMED SUPERB GLADIOLI

**Mrs. Frank Pendleton, Jr.** One of the most exquisitely colored and formed Gladiolus in our entire list. In addition, the size of the bloom is not exceeded by any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the centre. The blooms are wide open and are arranged individually on the very slender but wiry stems, which fall gracefully when arranged in vases. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. The most sensational gladioli novelty. 20c. each; doz., \$2.00; \$15.00 per 100.

**Niagara.** An entire new color in Gladiolus, to describe it intelligently one must imagine a shade of rich cream combined with canary yellow. The form and habit of this variety is exactly like America, except that the spike grows taller. The individual flowers are very large and borne in pairs opposite each other. 10c. each; doz., \$1.00; \$7.50 per 100.

**Nezinscott.** Very brilliant scarlet with a deep red throat; a striking variety. 10c. each; doz., \$1.00; \$6.50 per 100.

**Panama.** On account of its habit, color and form, it is destined to become the most popular Gladiolus in the near future. For form and habit, it has all the desirable features of the variety "America," but the wonderful color can best be described by comparing it with that of the popular rose, "Mrs. Jno. Laing," an incomparable rose pink. The spikes are tall and very robust and many flowers appear at one time. 12c. each; doz., \$1.25; \$8.00 per 100.

**Peace.** A grand pure white flower with just a slight marking of a lilac feather on the lower petal. The plant is very robust, 5 feet high and shows enormous flowers well placed all along the stem. 'Tis of wonderful vitality, being a splendid keeper when cut. "Peace" flowers mid-season and late, when the best of other Gladiolus are gone. 10c. each; doz., \$1.00; \$7.50 per 100.

**Pink Augusta.** A grand new Gladiolus, especially fine for bedding or cutting, it has all the fine characteristics of the "White Augusta," which is vigorous, has straight stems and is free blooming, and all flowers on a stem open at one time. The color is a pleasing pink and thereby fills a niche in the class of popular Gladiolus. 6c. each; doz., 60c.; \$4.00 per 100.

**Rochester White.** This variety originated in the city it was named after with a prominent florist; it has been in great demand because of its pure white gigantic flowers, which are tinged light green; it might be termed the purest white gladioli. Crop of this variety failed.

**Pink Perfection.** Finest and purest rose pink; extra fine spikes, with 8 to 10 flowers open at one time. The flowers are well expanded and of the most perfect form. Received an award of merit and a first-class certificate in London. 10c. each; doz., \$1.00; \$6.00 per 100.

**Primulinus.** One of the finest species from South Africa. Very thin, wiry slender stems, decked with clear canary yellow flowers of medium size. The upper petals being hardest, the attached two lower petals being expanded, gives it a most striking appearance. 20c. each; doz., \$2.00; \$12.50 per 100.

**Primulus Major Hybridus.** From the original species our grower has produced by crossing and recrossing an entire new form of Gladiolus. From the purest and lightest of yellow, it varies to the deepest orange, and from the softest shade of salmon pink down to rich crimson; also a few white. Dainty blotches in the throat add to their beauty. 6c. each; doz., 50c.; \$3.25 per 100.

**Princepts.** Amaryllis-shaped, gigantic flowers of a dazzling bright scarlet, marked with white on the lower petals. Two to three flowers open at one time. 7c. each; doz., 75c.; \$4.00 per 100.

**Rose Spray.** A giant Childsii type, pure white with pink sprays or flakes. A most vigorous grower, large and strong, very early to bloom. The petals are large, round, thick and strong, and of lasting qualities. 10c. each; doz., 75c.; \$4.00 per 100.



Gladiolus, Rose Spray (See bottom of opposite column)

**Rosella (Kathryn.)** A perfect orchid in color and texture; delicate cattleya pink, with white throat and veinings. Flowers are very large and many are open at one time. The delicate beauty of this variety, either in bud or bloom, is hardly equalled by any other Gladioli. 20c. each; doz., \$2.00; \$12.50 per 100.

**Scarsdale.** Long, graceful spikes of wide open flowers of a very pleasing lavender shade; a most unique and distinct color. 10c. each; doz., \$1.00; \$6.00 per 100.

**Scribe.** Soft rose, shaded carmine; large open flowers of great beauty. 10c. each; doz., \$1.00; \$6.00 per 100.

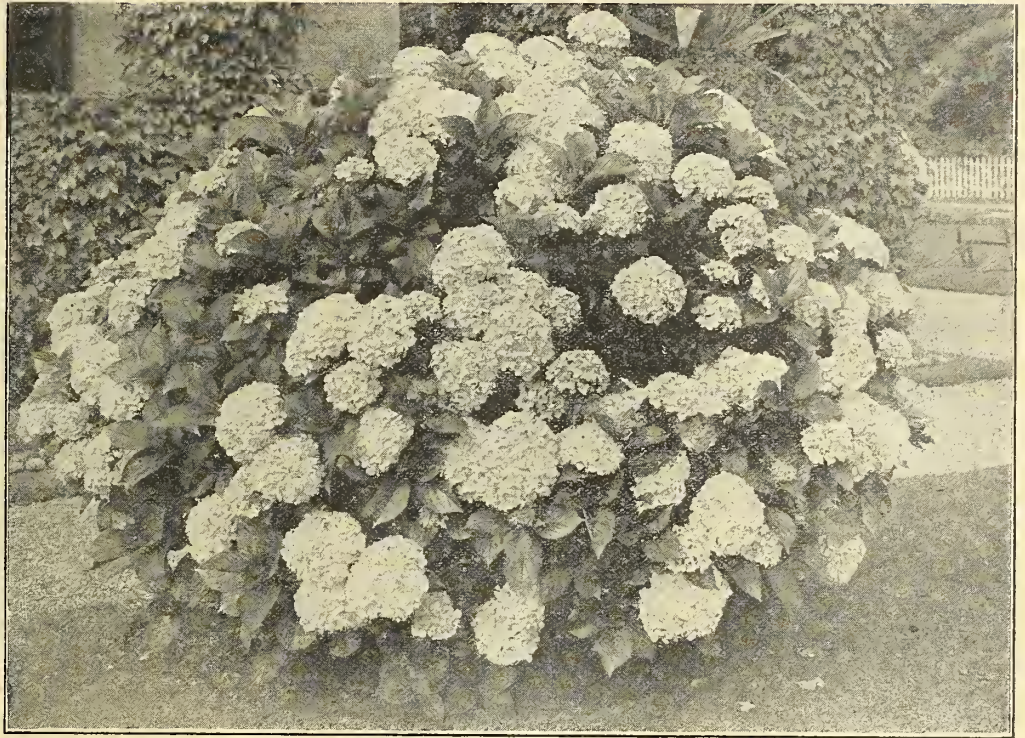
**Shakespeare.** A very dainty white; slightly suffused rose. Well opened flowers on long spikes. 10c. each; doz., \$1.00; \$6.00 per 100.

**Sulphur King.** One of the finest yellow Gladiolus. It produces, on a very long spike, flowers of the clearest sulphur yellow. The foliage is exceptionally broad and of a beautiful deep green color, adding immensely to the beauty of the plant. A very strong and vigorous grower. Splendid for cutting. 25c. each; doz., \$2.75; \$20.00 per 100.

**Victory.** Considered by many the best yellow Gladiolus. The flowers are of medium size, well arranged on a strong straight spike, and many open at one time. Color, delicate sulphur yellow, lower petals shaded deeper and a bright maroon blotch on throat. 8c. each; doz., 75c.; 100, \$5.00.

**Wild Rose.** A most vigorous grower, large and strong, very early in bloom, producing flowers of the largest size. The color is a beautiful pink, resembling the shade of the single wild rose of the roadside. A good grower, with straight, well formed spikes. The flowers are very large and wide open. 12c. each; doz., \$1.25; \$8.00 per 100.

This class of Hydrangeas is the one which is seen planted so extensively at the North Atlantic seashore and inland resorts. They seem to do especially well in these localities. It has been the general opinion that the plant is not hardy, but in many places it is not afforded even the slightest protection, although we recommend that care be taken, especially the first few years after planting, and especially so with the French sorts, to protect them over winter with a covering of manure or other suitable litter, and also to wrap the plants in burlap, straw or even paper will do, as this will protect the flower buds, which are often injured in severe winters, although the plants otherwise do not suffer. If winter protection is used, same should not be removed until all danger of frost is over, otherwise the tender shoots are nipped in the cold nights of early spring, and few flowers are the result. These varieties of Hydrangea often change their colors; for instance, pink varieties will sometimes turn out blue. This, however, is infrequent, but when the type is fixed it usually remains so. If, however, it is desired to change pink Hydrangea blue and the latter pink, this can be usually accomplished by incorporating into the soil a few handfuls of soot or iron filings. If this is not obtainable, lump alum broken into small pieces and incorporated into the soil, about ¼ lb. to each plant, will usually produce the same results. This class of Hydrangeas is best planted around verandas for fine effects. They can also be set in tubs for wall, coping or lawn decoration. If used in the latter way the plants should be taken in in the winter to a frost-proof cellar and occasionally given some water. Hydrangeas in the summertime should be watered liberally every day when there is no rain. Applications of Cow Manure, Sheep Manure or Bone Meal will greatly increase the flowering qualities.



A Specimen Plant like this put on the Lawn, or about the Veranda base, makes a beautiful show

This class of Hydrangeas is best planted around verandas for fine effects. They can also be set in tubs for wall, coping or lawn decoration. If used in the latter way the plants should be taken in in the winter to a frost-proof cellar and occasionally given some water. Hydrangeas in the summertime should be watered liberally every day when there is no rain. Applications of Cow Manure, Sheep Manure or Bone Meal will greatly increase the flowering qualities.

## LATEST NOVELTIES IN FRENCH HYDRANGEAS

These are especially fine varieties, which should be included in every collection. These young plants set out in May will make husky specimens, which will flower the following year. Care should be taken to protect them carefully over winter.

- Jocunde.** Pure white, very large flower heads.
  - Lakme.** Cream white, shading pale pink.
  - Mme. Foucard.** Ruby rose.
  - Mme. Nicolas Lambert.** Pale rose; large flowering.
  - Mme. A. Rosenkraenzer.** Pale mauve.
  - Magenta.** Clear rose; large, perfect flowers.
  - Mme. Rene Jacquet.** Flesh colored; very fine.
- Price of any of the above varieties, 30c. each.; doz., \$3.00.  
**SPECIAL OFFER**—One each of the 7 sorts for \$1.75.

## FRENCH HYDRANGEAS (Popular Varieties)

- Avalanche.** Large head; pure white flowers. A real beauty.
- Botaniste Peltrean.** Fringed flowers of gigantic size, of a brilliant lavender-pink color.
- Bouquet Rose.** Very large flower heads of a uniform shape. The flower is a shade of amber, which later turns a brighter pink.
- E. G. Hill.** Considered the best pink, producing enormous flower trusses. The color remains perfect for a long while.
- General de Vibraye.** One of the very best, with enormous flower heads of a bright rose color. It is quite early, flowering with Madame E. Moulliere, to which it is an excellent contrast.
- La Lorraine.** Gigantic flowers and trusses pale rose pink.
- Madame Maurice Hamar.** Large trusses of a delicate flesh-pink.
- Monsieur G. Renault.** Very free flowering type, blooming somewhat earlier than the rest. The flower has a slight reflex of carmine, while the body of the bloom is rich pink. 5 in. pot plants.
- Mme. Emile Moulliere.** This is the best of the newer kinds, bearing gigantic trusses with immense florets, the latter being often 2 inches in diameter. Pure white, with rich carmine eye.
- Radiant.** Brilliant rose pink, much brighter and showier than others of the same color. Strong 4 in. pot plants.
- Souvenir de Mme. Chautard.** Of dwarf, compact habit, with brilliant rose-colored flower trusses.

	Each	Doz.
2½-in. Pot Plants of the Above	\$0.25	\$2.25
4 " " " " " "	.50	4.50
6 " " " " " "	.75	6.50

**NOTE.**—Except on southern orders or in cases where customers have greenhouses, we do not ship this class of plants out until May unless especially requested to do so. Where customers desire them shipped prior to our usual shipping date, we can forward at their risk of loss after transplanting.

## FRENCH HYDRANGEAS (Recent Introductions)

- Baby Biminet.** A compact dwarf grower, free and early bloomer, large trusses of silvery pink.
- Beaute Vendomoise.** Immense flower heads with large florets; white tinted pink.
- \*Eclairer.** The nearest approach to red in the hydrangea family; a real sterling novelty.
- Harmonie.** Very large trusses with a fast color of pink which does not fade readily.
- La France.** Very large flowers of a delicate rose pink shade; flower trusses are gigantic.
- La Perle.** A splendid white variety; one of the best in this color.
- Liberte.** An attractive shade of pale pink, with enormous flower heads.
- Louis Moulliere.** A pleasing shade of deep rose pink, with fringed florets.

Prices of all French Hydrangeas listed above as follows:

	Each	Doz.
2½-in. Pot Plants	\$0.30	\$2.50
4 " " "	.50	4.00
6 " " "	.75	7.50

\*Can be supplied in 2½-in. pots only.

## HYDRANGEA OTAKSA

This is the old-fashioned favorite Japanese variety that usually flowers pink. It produces enormous flower trusses in great numbers. The plant increases in size and flowering ability each year and is the ideal variety for planting extensively at the seashore.

	Each	Doz.
2½-in. Pot Plants	\$0.25	\$2.00
4 " " "	.40	3.50
6 " " "	.75	6.50
8 " " "	1.00	11.00
10 " Tub "	1.00 & 2.00	
12 " " "	3.50	

Plants should be shipped by express. No plants sent C. O. D.

(ht)

GLADIOLUS (See Pages 109 to 112)

**HELIOTROPE**

Ready in May

This is a fine bedding plant, being a mass of flowers all summer; the fragrance cannot be approached by any other annual plant. As a cut flower it fills an important place. See illustration in opposite column.

**Centeleur.** Large trusses of rich deep violet blue.

**La Duse.** Enormous deep blue flower heads.

4-inch pot-plants, 15c. each; doz., \$1.50; 100, \$10.00.

**SUMMER HYACINTH**

(Hyacinthus Candicans)

These are especially attractive, when planted in masses in solid beds or borders. In July and August they produce spikes about 2 feet long, which are covered with bell-shaped white flowers. They remain in bloom a long while and for that reason should be planted extensively. The bulbs should be taken up at the approach of winter and stored in a cool cellar. Large bulbs, 6c. each; doz., 60c.; \$4.00 per 100. Parcel Post Weight, 2 lbs. per doz.



Summer Hyacinth

**HYDRANGEAS**

(See Page 113)

**IVY (German or Parlor).** Ready in May.

Fine for window boxes, hanging baskets, etc.; green foliage; 3-inch pots, 15c. each; doz., \$1.20; \$7.00 per 100.

**ISMENE CALATHINA** (Pancratium Lily or Peruvian Daffodil)

One of the choicest of our summer flowering bulbs, blooming profusely during the summer, flowers a beautiful waxy white and deliciously fragrant. Bulbs are not hardy and should be removed to the house in October. If desired, they can be flowered indoors by starting the bulbs about January 1st and treating somewhat like an Amaryllis. Large bulbs, 15c. each; doz., \$1.50; \$10.00 per 100. Parcel Post Weight, 2 lbs. per doz.



Heliotrope La Duse, Showing its Gigantic Flower Heads

**LANTANA** Ready in May.

Excellent bedding plants, thriving best in the full sun; the shades of orange and yellow, so effective in bedding, are found in these plants only.

**Crusalis.** Pure yellow.

**Eole.** Yellow shading to bright rose.

**Radiation.** Brilliant red with orange yellow centre.

3-inch pot plants, 15c. each; doz., \$1.25; \$8.00 per 100.

**LEMON VERBENA (Aloysia Citriodora).** Ready in May.

Pointed green lemon scented foliage, fine for mixing among cut flowers; as a winter house plant these are also very satisfactory. 3-inch pots, 15c. each; doz., \$1.50; \$10.00 per 100.

**LILY OF THE VALLEY**

**Clumps.** For outdoors only. 30c. each; doz., \$3.00; 100, \$20.00.  
**Cold Storage, Michell's Fancy Giant Flowering.** The finest procurable. These can be forced into flower in about 22 days; our stock is extra fine. **Price on application.**

(Cold storage Lily of the Valley, not supplied in quantities less than 50.)

**LOBELIA** Ready in May.

Blue flowering plant, for edging and hanging baskets; when ordering, state purpose for which they are desired.

**Compacta.** For bedding, edging, etc. 3 in. pot plants.

**Speciosa.** Trailing variety for baskets, urns, etc. Price of either of the above, 15c. each; doz., \$1.25; \$8.00 per 100.

**MARIGOLD** Ready in May.

These are favorites in all old-fashioned gardens, in bloom from early summer until frost.

**Eldorado.** Orange yellow.

**Lemon Queen.** Lemon yellow. Strong 3-inch pot plants. 12c. each; doz., \$1.20; \$8.00 per 100.

**MIGNONETTE** Ready in May.

Sweet scented; fine for cutting or bedding. Extra strong 3-inch pot plants. 15c. each; \$1.50 doz.; per 100, \$10.00.

**MYOSOTIS (Forget-Me-Not)**

Ready after April 10th. Stock usually exhausted May 15th.

**Alpestris Victoria.** Dwarf blue.

**Palustris Semperflorens.** Tall blue.

Strong plants of the above. 15c. each; doz., \$1.50; 100, \$10.00.

**MUSA ENSETE (Abyssinian Banana)**

Excellent as centrepieces for large beds or individual specimens on the lawn; light green wavy foliage of enormous size. The plants in the autumn should be tubbed or potted, and placed in a warm cellar for winter storage. In May they can be set out again, when they will break out into foliage, increasing each year in size and beauty. 4-inch pot plants, 40c. each; 5-inch pot plants, 60c. each; 7-inch pot plants, \$1.50 each.



# MICHELL'S HARDY GARDEN LILIES <sup>115</sup>

What garden could be called complete without a fair display of these stately flowers. Their graceful habit, their ability to adapt themselves to special locations and the variety of them which provides flowers almost the entire summer makes them very valuable. Their culture is simple, yet a few rules must be strictly observed to grow them successfully.

All lilies should be planted from 6 to 8 inches deep, the Japanese varieties even 12 inches deep. The bulbs themselves should be completely enveloped in sand; no manure should come in contact with the bulb, but manure may be placed 4 to 6 inches underneath, on top of which place a layer of sand. All loose petaled bulbs should be planted on their side instead of upright. In fact, this could apply to all of them.

These are sometimes grown in pots for indoor blooming, in which case they are handled much like the Bermuda Easter Lily. We recommend, however, they should be grown exclusively outdoors.

In winter all lilies should have a protection of long manure, loosely thrown over the bed.

## JAPANESE LILIES

**Auratum** (Golden Banded Lily). A variety planted most extensively; flowers of enormous size, measuring frequently 8 to 12 inches across; pure white, spotted crimson; each petal is marked in the centre with a band of yellow. The height varies according to location; it prefers a moist, cool, well-drained soil. Flowers in August, delightfully fragrant; a single stem produces on an average from 8 to 15 flowers.

		Each	Doz.	100
Large Bulbs,	8 to 9 inch circ.....	\$0.20	\$2.00	\$15.00
Mammoth Bulbs,	9 " 11 " " .....	.25	2.50	17.50
Monster Bulbs,	11 " 13 " " .....	.40	4.00	30.00

**Melpomene.** Rich deep pink, spotted dark red; free blooming and robust in growth; very fragrant; height, 3½ feet; flowers in August.

		Each	Doz.	100
Large Bulbs,	8 to 9 inch circ.....	\$0.20	\$2.00	\$15.00
Mammoth Bulbs,	9 " 11 " " .....	.25	2.50	17.50

**Speciosum Album.** The best flowering pure white hardy garden lily, of easy culture. The slender graceful stems and foliage are set off to wonderful advantage by the glistening pure white blooms clustered from 6 to 10 around the stem; the petals recurve and show the prominent red pistil in the centre; height, 4 feet; blooms during August and September.

		Each	Doz.	100
Large Bulbs,	8 to 9 inch circ.....	\$0.25	\$2.25	\$17.50
Mammoth Bulbs,	9 " 11 " " .....	.35	3.50	25.00

**Speciosum Magnificum.** An enormous flower rich deep pink, spotted crimson; the form of flower is recurved like "Speciosum Album"; height, 3 feet; flowers in August.

		Each	Doz.	100
Large Bulbs,	8 to 9 inch circ.....	\$0.20	\$2.00	\$15.00
Mammoth Bulbs,	9 " 11 " " .....	.25	2.50	17.50
Monster Bulbs,	11 " 13 " " .....	.35	3.50	25.00
Jumbo Bulbs,	14 inch and over.....	.50	5.00	37.50

**Speciosum Rubrum or Roseum.** Delicate pink, almost white, spotted red; one of the old garden favorites; very hardy; height, 3 feet; flowers in August and September.

		Each	Doz.	100
Large Bulbs,	8 to 9 inch circ.....	\$0.20	\$2.00	\$15.00
Mammoth Bulbs,	9 " 11 " " .....	.25	2.50	17.50
Monster Bulbs,	11 " 13 " " .....	.35	3.50	25.00

**Tigrinum.** The orange blossoms are heavily spotted maroon and borne in clusters of from 4 to 10 flowers on a straight heavy stalk, often 5 feet in height. Blooms in July.

**Single.** Mammoth bulbs, 15c. each; doz., \$1.50; \$10.00 per 100.

**Double.** A double form of the above. Mammoth bulbs, 20c. each; doz., \$2.00; \$12.00 per 100.

## LILIUM REGALE (Myriophyllum)

A new introduction from China, absolutely hardy, also splendid for forcing, white suffused pink, shaded canary yellow in the centre, of delicious fragrance. \$1.25 each; doz., \$12.50.

## MISCELLANEOUS JAPANESE LILIES

	Each	Doz.	100
<b>Batemanni.</b> Apricot colored; 3 feet; July.....	\$0.30	\$3.00	\$20.00
<b>Brownii.</b> One of the most beautiful Lilies; pure white inside, outside brown, purple..	.30	3.00	20.00
<b>Kramerii.</b> Blush pink; 3 feet; August.....	.30	3.00	20.00
<b>Macranthum.</b> Giant Golden-banded Lily; immense flowers; August .....	.40	4.00	25.00
<b>Rubellum.</b> A splendid dark pink variety, producing many flowers; 3 feet.....	.40	4.00	25.00
<b>Rubro-Vittatum.</b> Spotted, purplish crimson. One of the finest of this class.....	.75	7.50	.....
<b>Wittei.</b> Very fragrant; white with yellow band; immense flowers .....	.75	7.50	.....



Lilium Auratum

## AMERICAN OR NATIVE LILIES

	Each	Doz.	100
<b>Canadense</b> (Canadian Bellflower Lily). Bright yellow bell-shaped flowers; spotted black inside; June and July; 2 feet.....	\$0.15	\$1.50	\$11.00
<b>Canadense Rubrum.</b> Same as above, crimson with black spots .....	.20	2.00	15.00
<b>Elegans, Painted Chief.</b> Bright red flowering early July; 2 feet; large open flowers stand upright in clusters from 3 to 5 on a stout stem .....	.20	2.00	12.00
<b>Elegans, Leonard Joerg.</b> Rich apricot pink. .20 2.00 12.00			
<b>Hansoni.</b> Often grows from 3 to 5 feet high, flowers reddish orange 8 to 12 in a cluster; petals thick and durable.....	.60	6.00	.....
<b>Henryi</b> (New and Rare). Tall grower, often 7 feet; producing flowers of a distinct orange yellow in great profusion.....	.60	6.00	.....
<b>Superbum</b> (Turk's Cap Lily). One of the best lilies for all purposes; will succeed everywhere; according to location, will grow from 3 to 6 feet high and produce from 15 to 25 nodding brilliant orange red flowers on a single stalk during July .....	.20	2.00	12.00
<b>Tenuifolium</b> (Coral Lily). Brilliant scarlet, bell-shaped flowers, of rather small size, hang downward on a small but gracefully formed tree-like plant; splendid for edges of borders, rockeries or cutting; foliage very slender; flowers in May .....	.15	1.50	10.00
<b>Umbellatum.</b> A showy, massive lily, flowering in June; the broad, open flowers appear upward from 5 to 8 on a stout stalk, 3 feet high; color, a glowing orange scarlet; most effective when planted in clumps.....	.15	1.50	10.00

**SPECIAL NOTICE.**—While we aim as far as possible to make one shipment of seeds, plants and bulbs ordered at one time, this is not always possible. We find by making separate orders and shipments of plants, the orders are dispatched usually quicker. Customers will please understand when separate shipments are made it is in their interests to do so.



Montbretia

## MONTBRETIA

A beautiful flowering bulb resembling a miniature Gladiolus, absolutely hardy, and only effective if planted in masses from 50 to 100 bulbs in a clump. They are fine for cutting, being very showy, the orange scarlet and yellow shades being especially attractive. Height, 24 inches.

**Aurantiaca.** Deep golden yellow.

**Crocsmiaeflora Type** Scarlet and yellow.

**Etoile de Feu.** Vermilion with yellow centre.

**Germania.** Orange scarlet. 5c. each; doz., 50c.; \$2.50 per 100; per 1000, \$20.00.

**Pottsii.** Large, orange scarlet.

**Speiosa.** Golden yellow.

**Rayon d'Or.** Light yellow, spotted brown. Any of the above (except where noted) 5c. each; doz., 50c.; 100, \$3.00; 1000, \$25.00.

## NASTURTIUMS

These are a mass of bloom all summer, and can be used for planting large beds or borders. Dwarf varieties in mixture. 3-inch pot plants. 15c. each; doz., \$1.25; \$8.00 per 100.

## OXALIS (Summer Blooming)

Splendid border plants around flower or foliage plant beds.

**Deppii.** White, small flowers.

**Lasiandra.** Pink flowers. Either of the above 2c. each; doz., 15c.; \$1.00 per 100.

## PANSIES

**Michell's Giant Exhibition Strain.** It has often been remarked by customers that nowhere else can our Pansies be equaled for size of bloom and rich colors. Fine large plants in bud and bloom in mixed colors only; ready after April 1st. \$1.25 per doz.; 25 for \$2.25; \$9.00 per 100. Stock usually exhausted after May 15th.



Giant Flowering Double Petunias

## PETUNIAS

Of the annual flowers, this is probably the most universally used; it can be put to a variety of uses, for bedding, baskets, window boxes or urns; they flower continuously.

**Giant Single Strain.** In mixed colors. 3-inch pot plants, 15c. each; doz., \$1.25; \$8.00 per 100.

**Double Petunias** in named sorts. 3-inch pot plants, 15c. each; doz., \$1.50; \$12.00 per 100.

## PHLOX DRUMMONDI

These are a splendid bedding or border plant.

**Dwarf.** Red, White, Pink, each separate. 3-inch pot plants, 15c. each; doz., \$1.00; \$6.00 per 100.

## PYRETHRUM

For edging flower beds and borders; very attractive.

**Aureum.** Fine light yellow foliage. 3-inch pot plants, 15c. each; doz., \$1.25; \$8.00 per 100.

## RICINUS (Castor Oil Plant)

These make stately plants for lawn effects, or for screening undesirable views; it is claimed they keep moles away.

**Mixed Sorts.** 3-inch pot plants, 15c. each; doz., \$1.50; \$10.00 per 100.

## SALVIA (Scarlet Sage)

No show of flowers can equal that produced by Scarlet Sage; it makes a blaze of color when massed or planted in beds that can be recognized at a great distance.

**Bonfire.** The best dwarf bedding variety. Strong 3-inch pot plants, 15c. each; doz., \$1.50; \$10.00 per 100.

## STOCKS (Gilliflower) 10 Weeks

Sweet-scented flowers, which are fine for cutting, or as a hed or border plant they are splendid.

**Double Pink, White, Blue and Red.** In separate colors. 4-inch pot plants, 15c. each; doz., \$1.50; \$10.00 per 100.

## TRADESCANTIA

**Zebrina.** An old-fashioned hanging basket and window box plant, with silvery gray and red foliage. 3-inch pot plants, 12c. each; doz., \$1.25; \$7.50 per 100.

## TUBEROSES

Beautiful pure white flowers appearing in August, of wonderful fragrance.

**Double Pearl.** Pure white. 3c. each; doz., 30c.; 100, \$2.00.

**Double Pearl.** Mammoth bulbs, 5c. each; doz., 50c.; \$3.50 per 100.

**Albino.** Single white. 5c. each; doz., 50c.; \$2.50 per 100.

Single bulbs mailed free, add 10c. per doz. for mailing larger quantities.

## VINCA

**Rosea.** This is the flowering type used for bedding or vases; a bed or border planted with these is a beautiful sight; for either full sun or in partial shade they are well adapted. **Pink, White, Pink with White Eye,** each color separate; 4-inch pot plants, 15c. each; doz., \$1.75; \$12.50 per 100.

**Major Variegata.** A trailing plant used for hanging baskets and window boxes; green foliage mottled white. Extra strong 4-inch pot plants, 25c. each; doz., \$2.50; 100, \$18.00.

## ZEPHYRANTHES

(Fairy Lily)

A splendid pot plant for winter, of easiest culture. Planted outdoors in May, they flower the entire season. Each Doz.

**Treatea Rosea.** Pink  
(Per 100, \$4.50) \$0.06 \$0.60

**Treatea Alba.** White  
(Per 100, \$4.50) .06 .60

## ZINNIAS

**Michell's Giant Robusta Strain** in mixed colors. 3-inch pot plants, 12c. each; doz., \$1.25; \$8.00 per 100.



Ten Weeks' Stocks



Pearl Tuberose

# New Bedding Rose Etoile Luisante (Baby Herriot) 117

This variety originated with the world-famous Rosarians Pernet-Ducher of France. Every lover of roses knows of the wonderful merit of the Mad. Ed. Herriot or Daily Mail. This Polyantha, or Baby Rambler type bids fair to become equally popular. It was imported originally by a large grower of roses near Philadelphia, who believed it would make a forcing variety. After trying it as such for several seasons he planted it outdoors, and found it better suited for culture in that way rather than under glass. It was exhibited at the Rose Festival in Philadelphia in 1917, where it was much admired on account of its daintiness and wonderful color. In bud form it is exquisite, and even when fully opened it is equally attractive. The foliage is dark green and glossy, almost immune to attacks of mildew. The color is rather hard to describe, but, quoting the originator's own words, he called it Scarlet-Red, with a blending of bright shrimp pink with a coppery red reflex and golden yellow petal tips. The buds can best be described as orange vermillion red, blending into golden yellow. The color combination is really new, and we do not really think that it is approached by any other variety. The flowers, when fully opened, measure about  $1\frac{1}{4}$  inches in diameter. They are borne in clusters and produced in wonderful freedom, and, as the French name indicates, they appear like "Glistening Stars." The plant is equally satisfactory, if set out as an individual specimen, but is far more attractive when several plants are massed together or planted in beds. It is absolutely hardy, strong and a vigorous grower, and quite fragrant. No other variety equals it for rose bowls or miniature vases. There is only a limited stock of the variety in this country that we know of, being divided between another large rose grower and ourselves. For that reason we recommend to all who want a strictly high-class miniature rose for outdoor planting that they give this variety a trial.

**Price for strong Pot-Grown Plants of Baby Herriot Rose that will give splendid results this season, 75c. each; doz., \$7.50.**



## TESTIMONIALS—A WORD TO THE WISE.

One of our customers purchased from us last season one pound of our GIANT EXHIBITION PANSY mixture and was so well pleased with the stock that he gave us an order this season for **six pounds of the same mixture.**

Dear Sir:—The celery plants you sent me arrived in first-class condition. I am very much pleased with them and hope they will all thrive.

Ellenville, N. Y.  
Yours truly,  
F. S. SMITH.



As a bedding rose Baby Herriot has proven a splendid sort, being a mass of bloom all summer.

St. Joseph's Hospital,  
Elmira, N. Y.

Our gardener told us that you furnished grass seed to Mayor Sheehan some years ago and that it was the best he ever used.

Respectfully,  
SISTER ROSE ALICE.

Oskaloosa, Ia.

Dear Sir:—The plants of hardy phlox you sent gratis to make up for the bad lot I bought in the summer came in good shape and are growing fine. They had such fine roots and were not to be compared to the earlier lot. Many thanks for your kindness and business integrity. I will remember you in future.

Yours truly,  
E. J. EISENHART.

# MICHELL'S POT-GROWN HARDY ROSES

**PLEASE NOTE.**—Our list has again been revised, and we believe will be found to contain most of the popular sorts. We have included in our offer the sorts usually procured from Europe and as this catalog was made up were hopeful of receiving them as usual. If such should turn out otherwise our customers will be promptly informed. This season we have arranged our list in strict alphabetical order, believing it will be more easy to locate any variety we offer.

We have placed a letter adjoining each sort to denote its class. T indicates Tea Variety; HT indicates Hybrid Tea Variety; HP indicates Hybrid Perpetual.

## SPECIAL DIRECTIONS FOR PLANTING AND CARING FOR ROSES

Open a good space in the soil and spread out roots; never with roots, but place it underneath and a layer of soil on top. If the rose is a bush plant, set it so deep that only branches are visible above the ground and never the main stem, but too deep is as bad as too shallow; 2 to 4 inches of the lower branches may be under the surface, but no more. If the plant is a budded or grafted rose, be sure that the bud or graft is fully 3 inches below the surface. Prune in spring only, when life is just apparent and remove what might appear to be surplus wood. The strongest growth should be cut back to within six inches above the ground; the weaker growth to 4 inches. All soil above the roots should be well pressed down. Feed your roses with "Ground Bone" and "Pulverized Sheep Manure." Mulch the ground during summer with cow manure or with Peat Moss. As winter approaches draw soil 6 to 8 inches high around the stem, this avoids winter killing, especially the HT and T varieties, then cover with long manure or similar litter.



Jos. Hill

**American Beauty (HP).** It is hardly necessary to describe this well-known beautiful rose, but we recommend planting this variety in a well-sheltered location.

**American Beauty (Climbing).** A rose which has come to stay. It possesses the deep pink color of one of its parents (American Beauty), and also its very delightful fragrance. We have here a combination of qualities very rarely found in Climbing Roses. The plants often make canes 15 feet long in a season; the flowers are 3½ to 4 inches in diameter and produced in great profusion, not only during May and June, but off and on all summer.

**American Pillar (Climbing).** Single, flowers large, 2½ to 3 in. in diameter, of a rich shade of pink with a distinct white centre, produces immense clusters, being very showy and attractive. The growth is exceptionally strong, foliage a shiny dark green, and insect-proof. An additional attraction in autumn are the clusters of red seed berries. Extra strong, 2-year-old plants, 50c. each; doz., \$5.00.

**Anchen Mueller (Baby Rambler).** A lovely delicate pink; the petals of the flower curl up when open, so that the flowers look more artificial than real. The blooms are produced in enormous clusters.

**Antoine Rivoire (HT).** Exceptional bedding variety of excellent shape; flesh pink, shaded dark pink with a yellow cast at the base of the petals.

**A. R. Goodwin (HT).** Rich coppery orange. It develops into soft pink, as the flower opens. Free vigorous bloomer.

**Augustus Hartmann (HT).** Brilliant geranium red, flushed with orange; very large flowers of perfect form. Very strong and sturdy grower with deep green leathery foliage; fine exhibition variety. 75c. each; doz., \$7.50.

**Aviator Bleriot (Climbing).** An improved yellow Rambler, vigorous grower with dark green, glossy foliage, which seems to be immune to attacks of insects and disease. It produces large clusters of double, deep sulphur yellow flowers, darker yellow, almost an orange shade in the centre. It is a variety which will appeal instantly to all lovers of climbing roses.

**Baron de Bonstetten (HP).** Velvety red, almost black, very double.

**Baroness Rothschild (HP).** Soft delicate pink, very large.

**Belle Siebrecht (HT).** Brilliant pink, with very large flowers, the buds of which are long and tapering.

**Bessie Brown (HT).** Free flowering, vigorous grower with gigantic, fragrant flowers. Creamy white.

**Betty (HT).** A strong vigorous grower, with deliciously fragrant flowers of a coppery rose color, shaded golden yellow, very free.

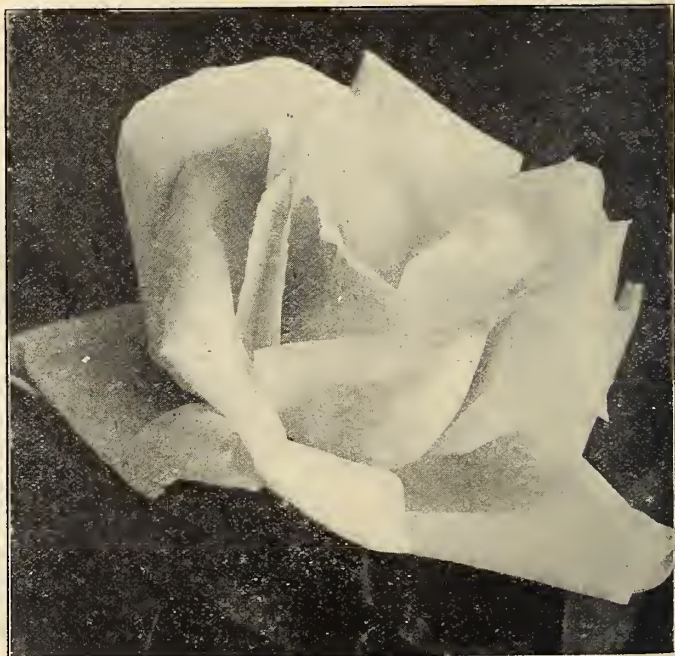
**Blanc Double de Coubert (Rugosa).** Large double, pure white. 50c. each; doz., \$5.00.

**Blanche Moreau (Moss).** An exquisite pure white variety, large flowers. 50c. each; doz., \$5.00.

**British Queen (HT).** A wonderful new variety, large pure white flowers. 75c. each; doz., \$7.50.

**Captain Christy (HP).** Delicate flesh pink, very free.

**Cecil Brunner (Baby Rambler) (Sweetheart).** It is difficult to imagine a more dainty rose than this. It is perfectly double, rosy pink on a cream white ground. It has a true tea-rose scent. For rose bowls or miniature vases this makes beautiful cut flowers.



British Queen

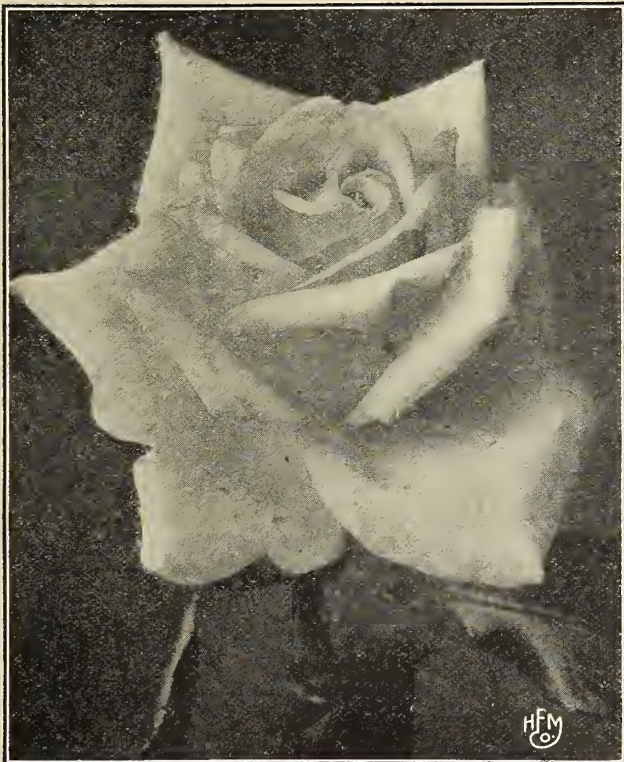
# MICHELL'S POT-GROWN HARDY ROSES

- Chateau de Clos-Vougeot (HT).** Rich fiery scarlet, which changes to velvety crimson as the flower becomes older. A rose that will bloom all season.
- Chrissie McKellar (HT).** Crimson carmine veined on rich deep ochre, changing to bright orange pink; semi-double, a fine bedding variety.
- Christine Wright (Climbing).** One of the newer varieties, and a cross between the popular Hybrid Tea, Caroline Testout and a seedling. The color of the flower is a bright rose-pink, measures 3½ to 4 inches across, is of perfect form, beautiful in the bud and acceptable in the fully developed flower. During June it is at its best, but continues to give flowers throughout the entire season. This is sure to give satisfaction.
- Clio (HP).** Delicate flesh color, shaded deep pink in the centre.
- Clotilde Soupert (Polyantha).** This rose blooms from early until frost and even later. The centre is a soft flesh pink, while the outer petals are almost white. For cemetery planting it is the best rose. 50c. each; doz., \$5.00.
- Coleen (HT).** A very full rose; a brilliant pink with deep rose crimson shadings on a creamy yellow ground; very fragrant and a wonderful free bloomer. \$1.00 each; doz., \$9.00.
- Conrad Ferd. Meyer (Rugosa).** Double light pink 50c. each; doz., \$5.00.
- Countess Clauwilliam (HT).** Delicate peach pink at the base of the petals, which are flamed and heavily edged with deep cherry red; a beautiful contrast of color, which brings out in great distinctness the strong individuality of this charming rose. Flowers are very large and double. 75c. each; doz., \$7.50.
- Crested Moss.** Deep rose pink; remarkably attractive flower. 50c. each; doz., \$5.00.
- Crimson Globe (Moss).** Rich deep crimson, large full flower. 50c. each; doz., \$5.00.
- Crimson Rambler (Climbing).** This well-known variety produces in abundance large clusters of crimson flowers. We have the latest improved strain of this variety, which is almost mildew proof.
- Dean Hole (HT).** One of the best roses for midsummer, being loaded with flowers during July and August. The color is very attractive, being deep salmon pink with gigantic blooms.
- Dorothy Page Roberts (HT).** Coppery yellow; the flowers are produced with wonderful freedom.



Laurent Carle

- Dorothy Perkins (Climbing).** Pink flowers in long sprays which are very fragrant and lasting; a deservedly popular rose.
- Dorothy Perkins (White Climbing).** The best white Rambler Rose yet introduced, being an exact counterpart of Pink Dorothy Perkins, excepting color; a desirable rose. A variety that is practically immune from attacks of mildew.
- Dr. Van Fleet (Climbing).** Rich flesh pink, long pointed buds on stems 15 to 18 inches long, vigorous glossy foliage, a splendid variety.
- Duchess of Sutherland (HT).** Beautiful rose pink, shaded lemon on a white base. 75c. each; doz., \$7.50.
- Duchess of Wellington (HT).** Deep saffron yellow, inclined to orange; buds are long and pointed. 75c. each; doz., \$7.50.
- Duchess of Westminster (HT).** One of the newer varieties, introduced by Dickson & Sons. The large perfectly formed flowers with a delicate pointed cup are richly scented. It is a strong growing, free flowering variety, a clear rose pink.
- Earl of Gosford (HT).** Splendid dark crimson. The flowers are borne on strong stiff stems. Very fragrant.
- Earl of Warwick (HT).** Soft salmon-pink with a trace of vermillion in the centre.
- Edgar M. Burnett (HT).** This is one of the sweetest scented roses in cultivation. Flesh colored tinted rose with very large petals. 75c. each; doz., \$7.50.
- Edward Mawley (HT).** One of the finest of the velvety crimson varieties in size, shape and color. It has all the good qualities a Hybrid Tea Rose can possess.
- Ellen Poulson (Baby Rambler).** Bright rose color, pleasantly perfumed; strong growing habit; very free bloomer.
- Erna Terschendorff (Baby Rambler).** The true scarlet Baby Rambler, decidedly the best colored one in this class which it holds well.
- Etoile de France (HT).** Intense brilliant crimson of fine fragrance, producing elegant pointed buds, which open an extra large flower.



Sunburst

<b>SPECIAL NOTE:</b> Prices per 100 on roses will be as follows:					
Varieties marked	\$5.00	per	dozen	will be	\$40.00 per 100
"	6.00	"	"	"	45.00 " "
"	7.50	"	"	"	60.00 " "
"	9.00	"	"	"	65.00 " "
"	10.00	"	"	"	80.00 " "
"	12.00	"	"	"	85.00 " "
"	15.00	"	"	"	115.00 " "

Where an order aggregates 25 roses or more, even though in varieties, that are different in price, the 100 rate may be taken in pricing the order.

# MICHELL'S POT-GROWN HARDY ROSES



Dorothy Perkins

**Excelsa** (Climbing) (The Crimson Rambler par excellence). This variety supersedes to a great extent the older Crimson Ramblers, not only by reason of its intense crimson-maroon flowers, which are tipped with scarlet and are very large for a rose of this type, but because of its healthy lustrous foliage, which is free from mildew. It is very free-flowering, its blossoms breaking from almost every eye in clusters of from 30 to 40.

**Farben Konigin** (HT). Brilliant pink; flower of an enormous size, making an elegant show.

**Fisher Holmes** (HP). Bright scarlet, shaded deep maroon.

**Florence Forrester** (HT). Snow white with lemon tinge, opening to pure white. Very large, perfectly formed flowers with high pointed centre; very free bloomer. A fine exhibition and bedding rose. 75c. each; doz., \$7.50.

**Flower of Fairfield** (Climbing) (The everblooming Crimson Rambler). Exactly like the Crimson Rambler in appearance, except Flower of Fairfield blooms periodically during the summer. It is very vigorous. Considered the best of the Crimson types of Rambler Roses.

**Frau Karl Druschki** (HP). Pure white, very large, frequently called the White American Beauty.

**Gardenia** (Wichuriana). Bright yellow buds, which develop into a cream-colored flower. 50c. each; doz., \$5.00.

**Geo. Arends** (HP). Clear pink, frequently referred to as the pink Frau Karl Druschki, very large and fine.

**Geo. Dickson** (HT). Velvety black crimson, the back of the petals veined with deep pure crimson maroon. A perfect exhibition variety, the blooms often 5 inches across and it has wonderful lasting qualities.

**Geo. Elger** (Baby Rambler). A variety which compares favorably for exquisite daintiness with Cecile Brunner, to which it is a splendid companion. It is almost identical in habit and growth; the color is a coppery yellow; likewise has a distinct tea-rose odor.

**George C. Waud** (HT). A rich shade of vermilion, shaded towards orange. The graceful pointed buds develop into a beautiful, full flower. It is very hardy and free.

**Gen. MacArthur** (HT). Recommended as the best deep scarlet rose in existence. The fragrance is delightful and its blooms, even under most unfavorable conditions, are produced in great number.

**Gen. Jacqueminot** (HP). Rich velvety crimson, an old favorite.

**Gloire Lyonnaise** (HP). White, with a slight trace of yellow; very large full flower. One of the best in this color.

**Gruss an Teplitz** (HT). This is often termed the reddest of the red roses. The foliage, which takes on a coppery red color, is almost hidden with masses of flowers, the centre of which are light red, while the outer petals are crimson red.

**Hadley** (HT). One of the finest dark red roses introduced. The flowers are borne on long, stiff stems, which makes it an ideal variety for cutting. \$1.00 each; doz., \$10.00.

**Harry Kirk** (T). The flowers are large, very double, of a deep canary color, edged with sulphur; free bloomer and one of the "Gold Medal" type.

**Hermosa** (Bourbon T). Its compact-growing bush is a mass of bright pink flowers from June till frost. An excellent rose for cemetery planting. 50c. each; doz., \$5.00.

**Hiawatha** (Climbing). Single brilliant scarlet, with a yellow circle around the centre, flowering in large clusters. Most dazzling and effective. The foliage is retained until very late in autumn and always presents a clean, bright green, healthy appearance; should be on every pergola, though it is also attractive when supported on a single stake.

**Hoosier Beauty** (HT). A beautiful scarlet crimson; very full flowers with long stems; deliciously perfumed. 75c. each; doz., \$7.50.

**H. V. Machin** (HT). Scarlet crimson; very double and perfect flowers, with high pointed centre. Fine exhibition sort. 75c. each; doz., \$7.50.

**Hugo Roller** (HT). Lemon yellow shaded crimson, free bloomer.

**Iona Herdman** (HT). Clear orange flame color, very free and perpetual flowering; of excellent form, which makes it one of the most decorative roses. \$1.00 each; doz., \$10.00.

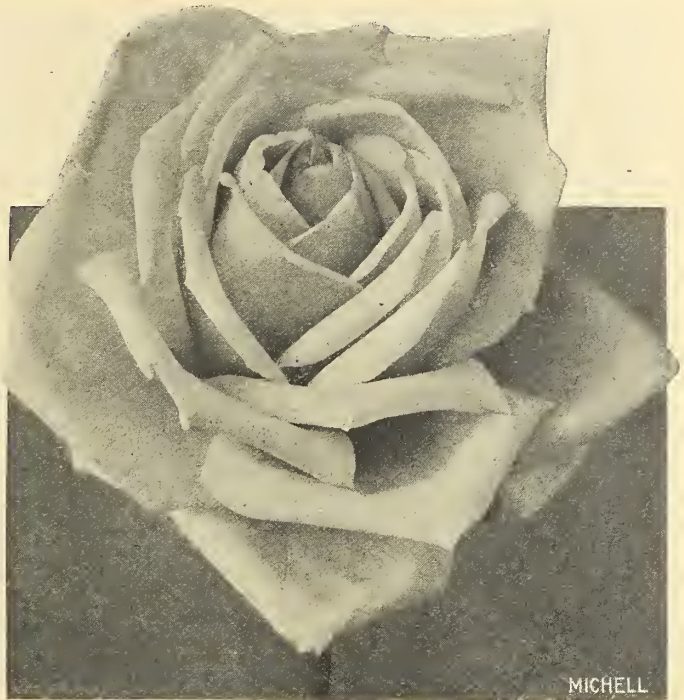
**Jessie** (Baby Rambler). Bright orange red flowers, almost single, produced in clusters in great abundance.



Mrs. Jno. Laing

# MICHELL'S POT-GROWN HARDY ROSES

- Jonkheer J. L. Mock (HT).** One of the richest roses in cultivation. The flower is perfect, being a grand shade of deep pink, while the outer petals are silvery rose. A free bloomer.
- Jos. Hill (HT).** Splendid as a cut flower, also deliciously fragrant; the color is a pleasing shade of salmon, turning to pink.
- Juliet (Austrian Briar).** Rich vermilion red, the reverse of the petals old gold. It is a strong, erect grower and delightfully fragrant, a most wonderful combination of color shades.
- Kaiserin Augusta Victoria (Climbing).** This possesses all the qualifications of the dwarf Kaiserin, particularly the freedom of bloom, exquisite odor, and the fine shade of white.
- Kaiserin Augusta Victoria (HT).** A rose that blooms all summer, producing an exquisite well-shaped full flower; the plant is a strong grower and very hardy; one of the best.
- Katharine Zimet (White Baby Rambler).** Pure white, with yellow stamens; effective when planted in with pink or scarlet.
- Killarney (HT).** In shape nothing can approach this beautiful rose, its long perfectly shaped bud, which on the outside is of a delicate pink, unfolds a flower with a deeper pink on the inside.
- Killarney (Climbing).** Delicate soft pink, identical with the dwarf variety bearing the same name. As the flower unfolds, it shows a shade of deeper pink on the inner petals.
- Konigin Carola (HT).** Satiny rose, with silvery white reverse petals; long pointed bud, terminating into a large flower.
- Lady Alice Stanley (HT).** Deep rose, the inner petals are pale pink; large, fragrant flowers.
- Lady Ashtown (HT).** Delicate rose with a trace of yellow at the petal base. The outer flower leaves expand, while the centre petals remain in exquisite bud form.
- Lady Ashtown (Climbing).** Delicate pink, with a slight trace of yellow at the petal. While the outer petal expands, the centre remains in bud form.
- Lady Gay (Climbing).** Cherry pink buds, which when open are of a soft white color; very free flowering; extremely useful variety.
- Lady Hillingdon (T).** Deep coppery yellow and an attractive long bud. It is very free in growth and a continuous bloomer.
- Lady Pirrie (HT).** Reddish salmon petals shaded apricot inside; a splendid variety, having many good qualities.
- La France (Climbing).** Satiny rose, with reflexed petals, which are darker pink on the reverse side. The climbing form of this variety is equally satisfactory as the dwarf one.
- La France (HT).** Satiny rose, with reflexed petals, which are of a darker pink on the reversed side.
- Laurent Carle (HT).** Carmine red; very fragrant, with large perfect flowers, which are produced all summer long.
- Lieutenant Chaure (HT).** Velvety crimson, large full flower; long pointed bud; vigorous and free flowering.
- Louise Walter (Baby Rambler).** Soft blush pink, almost the exact shade of the variety "Tausendschoen." The flowers are very large.



Mrs. Jas. Lynas

- Madame Dora van Tets (HT).** Deep glowing crimson, compact growth; free bloomer. 75c. each; doz., \$7.50.
- Madame Gabriel Luizet (HP).** Pale pink, very sweet.
- Madame Jules Gouchalt (Baby Rambler).** Buds bright vermilion red, shaded clear orange red, passing to bright fiery rose, as the flowers age. Does not fade or drop off; invaluable for bedding, cutting and forcing.
- Madame Leon Pain (HT).** Salmon, with a deep orange yellow centre, pink on the reverse petals. The flowers are large, full and very free.
- Madame Melanie Soupert (HT).** Rich salmon yellow, tinged carmine and pink; an unusually fine flower.
- Madame Norbert Levavasseur (Crimson Baby Rambler).** This is identical with the Crimson Rambler in color and form, except that it is probably more intense red.
- Madame Ravary (HT).** A remarkable color, deep Nankeen yellow, turning lighter toward the centre; a large double flower.
- Magna Charta (HP).** One of the largest; color deep pink.
- Maman Cochet (Pink) (T).** In the vicinity of Philadelphia this rose is grown perhaps more than any other on account of its many good qualities. The individual large flowers are often on stems 2 feet long which makes it grand as a cut flower. The shade of color is a "Bridesmaid Pink."
- Maman Cochet (White) (T).** The exact duplicate of the Pink Cochet except in color, which is white, occasionally tinted pink.
- Margaret Dickson (HP).** Very large, pure white.
- Marquise de Sinety (HT).** Light orange yellow with lighter outer petals. The centre is shaded a coppery red, indeed the color is one hard to be described. Must be seen to be appreciated.
- Mary Countess of Hechester (HT).** Crimson carmine, a shade almost indescribable. Highly scented flowers of immense size.
- Miss Alice de Rothschild (T).** Rich deep yellow; the flowers are large, full and of perfect shape. Vigorous grower and continuous bloomer. Very fragrant.

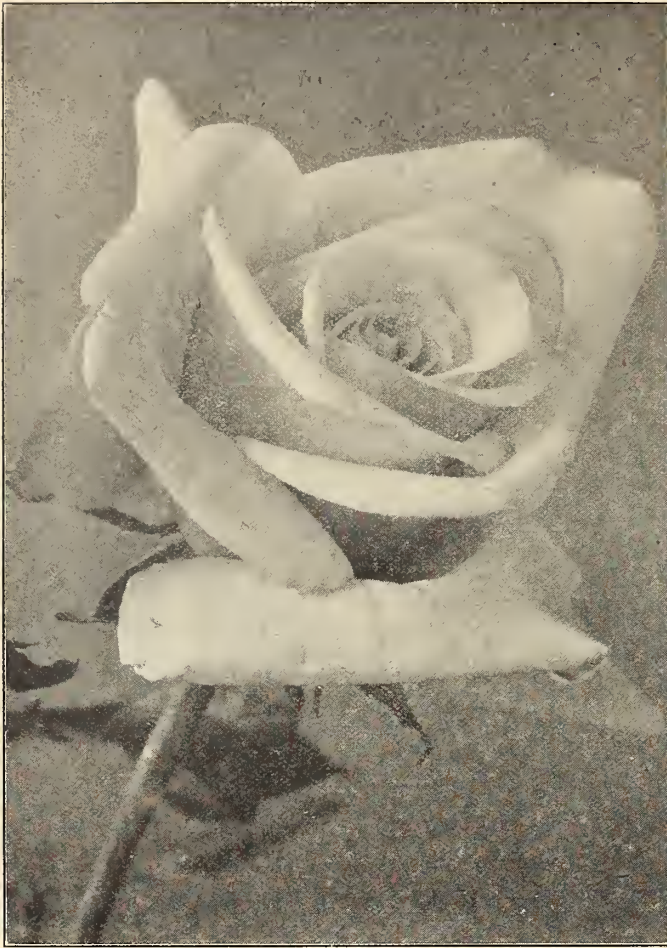


Madame Dora Van Tets

SPECIAL NOTE: Prices per 100 on roses will be as follows:			
Varieties marked	\$4.00	per dozen	will be \$30.00 per 100
"	5.00	"	" " 40.00 " "
"	6.00	"	" " 45.00 " "
"	7.50	"	" " 60.00 " "
"	9.00	"	" " 65.00 " "
"	10.00	"	" " 80.00 " "
"	12.00	"	" " 85.00 " "
"	15.00	"	" " 115.00 " "

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# MICHELL'S POT-GROWN HARDY ROSES



Ophelia

**Mme. Abel Chatenay (HT).** Carmine rose, shaded deep pink. A strong grower and free bloomer, producing an exquisite bud.

**Mme. Caroline Testout (HT).** One of the oldest and best varieties. The flowers are of a bright satiny rose shaded deeper in the centre; bud and flower are open or cup-shaped and are very double.

**Mme. Chas. Lutaud (HT).** Chrome yellow, slightly tinted scarlet on the outer petals, the flowers are large, full and of globular form, borne on long erect stems. 75c. each; doz., \$7.50.

**Mme. Edmond Rostand (HT).** Flesh, shaded salmon and reddish orange, long elegant bud, which develops into a large globular shaped flower. 75c. each; doz., \$7.50.

**Mme. Edouard Herriot (HT) (Daily Mail Rose).** Coral red, with yellow shadings at the stems, terminating in salmon red. It is one of the finest roses in cultivation. 75c. each; doz., \$7.50.

**Mme. Jules Grolez (HT).** A flower with an extremely long pointed bud and of a delicate silvery rose, tinted yellow at the base; very hardy and desirable.

**Mme. Segond Weber (HT).** A free-flowering vigorous plant, with large, beautiful flowers; soft salmon-pink.

**Molly Sharman Crawford (T).** On opening, the flower is cream colored, which, as the bloom expands, turns to a pure white. We regard it as one of the finest white Tea Roses.

**Mrs. Aaron Ward (HT).** A conspicuous rose on account of its coloring; as a bud it is deep Indian yellow, as it opens it adopts a broad margin of light yellow on the inner edge, when fully opened it is light yellow throughout. Very free bloomer, the flowers are exquisite.

**Mrs. Ambrose Ricardo (HT).** Deep honey yellow; overlaid brighter yellow. Flowers are very large; blooms continually during summer and autumn. 75c. each; doz., \$7.50.

**Mrs. Archie Gray (HT).** Deep creamy yellow, becoming lighter as the flower expands. Very free-flowering and in every respect a most desirable sort. 75c. each; doz., \$7.50.

**Mrs. A. R. Waddell (HT).** Royal scarlet buds, opening reddish salmon; reverse of petals rosy scarlet; a very free bloomer.

**Mrs. Bertram J. Walker (HT).** A very distinct clear bright cerise pink; large and very double flowers; a splendid garden rose of greatest merit. \$1.00 each; doz., \$10.00.

**Mrs. Chas. E. Pearson (HT).** Orange, flushed red, apricot, fawn and yellow, a very superb flower; will become the most popular of all garden and bedding roses. 75c. each; doz., \$7.50.

**Mrs. Chas. Russell (HT).** Bright rose pink, deeper toward the centre.

**Mrs. David Jardine (HT).** Immense double flowers are borne on straight long stalks abundantly all summer, but especially free during June and late in the fall, preferring the cooler weather. Color is a magnificent rose-pink, shaded lighter toward the edges.

**Mrs. F. W. Vanderbilt (HT).** A perfect rose of splendid shape and great fragrance; deep orange shaded apricot, quite distinct from any other rose in cultivation. 75c. each; doz., \$7.50.

**Mrs. George Sawyer (HT).** A fine pink rose. Wonderfully free-flowering; strong, vigorous grower with massive blooms.

**Mrs. James Lynas (HT).** One of the newer varieties, which is worthy of a place in any collection of roses. Color is pearly pink, flushed rosy pink; the flowers are very large and double and beautifully formed. 75c. each; doz., \$7.50.

**Mrs. John Laing (HP).** Soft pink, very fragrant and large.

**Mrs. R. D. McClure (HT).** Vigorous free branching growth; very large, full flowers of exquisite form. Color is a brilliant glistening salmon-pink. Very free-flowering. Awarded Gold Medal of National Rose Society of Great Britain. 75c. each; doz., \$7.50.

**Mrs. R. G. Sharman Crawford (HP).** The finest light pink rose.

**Mrs. W. Christie Miller (HT).** Soft peach, shaded salmon. Outer petals vermilion rose, an unusual color combination.

**Mrs. W. Cutbush (Pink Baby Rambler).** A cerise pink; a persistent bloomer, with very double flowers.

**Mrs. Walter Easlea (HT).** Glowing crimson carmine, outer petals satiny crimson; large full flower of great fragrance.

**Mrs. Wemyss Quin (HT).** Intense lemon, becoming deep canary-yellow, as flower expands, petals flamed crimson orange and coppery crimson. \$1.00 each; doz., \$10.00.



Moss Rose (Blanche Moreau)

Prices of Roses on this page (except where noted), 2-year-old plants, 60c. each; doz., \$6.00; \$45.00 per 100

(ht)



# MICHELL'S POT-GROWN HARDY ROSES

123

**My Maryland (HT).** Perfect form and exquisite fragrance. Salmon pink shade, which becomes lighter as the flower opens. It is an elegant grower, and sure to please.

**Ophelia (HT).** A vigorous grower with salmon-flesh shaded pink flowers, which are of perfect shape and very large; long stiff stems, which make it ideal for cutting. 75c. each; doz., \$7.50.

**Old Gold (HT).** Coppery red, shaded apricot; a remarkable color. The foliage is heavy and the growth vigorous; it blooms very freely.

**Orleans (Baby Rambler).** Rich brilliant red flowers, which turn to pink as they become older. The centre of the flower is white.

**Paul Neyron (HP).** Deep satiny rose, a giant flower.

**Persian Yellow.** Very hardy, producing medium sized flowers of a rich deep yellow. Very double. 50c. each; doz., \$5.00.

**Phyllis (Baby Rambler).** One of the best of the dwarf bedding roses. The color is a beautiful carmine pink; a continuous bloomer and very hardy.

**Prince Camille de Rohan (HP).** Deep velvety crimson maroon.

**Prince de Bulgarie (HT).** In this rose one will find a combination of colors that is not duplicated in any other; delicate flesh pink shaded deeper in the centre and suffused salmon. The flowers are extremely large and very double.

**Queen Mary (HT).** A variety of great beauty; flowers medium size, but of splendid form; color lemon chrome, bordered at the edges with pure deep carmine. 75c. each; doz., \$7.50.

**Radiance (HT).** A rose that will please everybody. Beautiful in form and free-flowering. Color is a brilliant carmine pink, shaded yellow at the base of the petals. 75c. each; doz., \$7.50.

**Red Radiance (HT).** A clear shade of red. A splendid bedding variety, having all the good qualities of its parent, the Pink Radiance. 75c. each; doz., \$7.50.

**Richmond (HT).** A beautiful variety, a rich shade of crimson; should be in every collection, as nothing approaches it in form.

**Rugosa Alba.** Pure white, fine for hedges and shrubbery borders. 50c. each; doz., \$5.00.

**Rugosa Rubra.** Deep red. 50c. each; doz., \$5.00.

**Silver Moon (Climbing).** Gigantic pure white flowers (resembling somewhat a Clematis bloom), frequently 5 inches in diameter. This is the ideal climbing rose for planting along fences, while for pillar and trellis work it is equally satisfactory. It has a delicate rose scent, and the flower stems are frequently 15 inches long. The foliage is rich green, at times shaded bronze.



"Kaiserin Augusta Victoria"



PAUL NEYRON

**Soleil d'Or (Golden Sun) (Austrian Briar).** Varies from golden orange to reddish gold, large, full, perfectly double flowers.

**Souvenir de la Malmaison (Bourhon T).** One of the old garden favorites, flowering from early in the season until snow. The flowers are very double deep flesh colored in the centre.

**Souvenir de President Carnot (HT).** Handsome large flower on a stiff erect stem. Easily one of the best in the Hybrid Tea class. Color a delicate soft pink, changing to white.

**Suburst (HT).** Long pointed buds; golden orange flowers.

**Tausendschon (Climbing).** We cannot too highly recommend this rose on account of its free-flowering qualities and its exquisite shade of soft pink, which changes to a rosy carmine when fully open. These flowers are borne in large sprays of from 10 to 15 flowers each, individual flowers measuring quite 3 inches across. For pergolas or pillars it has few equals.

**The Lyon (HT).** Easily recognized by its wonderful color, which is a warm coral red with a buff yellow base; the flowers are immense in size and are cup-shaped.

**Ulrich Brunner (HP).** Bright cherry red with large full flowers.

**Wichuriana Alba.** Single white flowers for embankments, etc.

**Wichuriana Pink.** A pink flowered variety for embankments, etc.

**White Killarney (HT).** Like its sister, it is of wonderful shape; long and pointed when in bud; while the flowers are pure white, they are occasionally flushed pink on the outer edge.

**Willowmere (HT).** Carmine bud, opening into a rich pink, shaded yellow in the centre.

**Wm. Cooper (HT).** Deep rich lake red. A fine, hold handsome flower, produced in endless profusion. 75c. each; doz., \$7.50.

**Wm. Shean (HT).** Delicate pink; large full flower of great size. Continuous bearing throughout the season.

**W. R. Smith (T).** Blush white, suffused bright rosy pink, with large, well-formed flowers.

**Yvonne Rabier (Baby Rambler).** We believe this to be the best white Polyantha Rose yet; the marvelous freedom with which it blooms makes it a fine companion to "Orleans" and "Jessie." This rose is destined to be in great demand for bedding and massing; very perpetual flowering, indeed a most superb variety.

# MICHELL'S HARDY PERENNIAL PLANTS



Results like this can be obtained by planting Michell's Hardy Perennials

We are annually making a greater specialty of **HARDY PERENNIALS**, having 15 modern greenhouses and some 1000 or more sash frames devoted to this class of stock.

Our list has again been carefully revised; some of the old varieties are displaced with better sorts, while there are also included many new varieties not previously offered. We devote to this class of stock some 50 acres and have now established for the benefit of customers a permanent border of perennials, wherein is planted some of every variety of hardy plants and roses listed in this catalog. During the spring, summer and autumn months our customers or whoever is interested will find a visit to our Nurseries not only interesting, but very instructive. All plants are carefully labeled in our trial beds, so that one can take his own time in making notes and observations. Our Nursery Superintendent will be glad to have a competent person lend any assistance, or give information that might be desired. Your trade in the line of perennial plants is especially solicited. Directions for reaching our Nurseries by Auto, Train or Trolley (the latter two going directly to our grounds) will be sent on request free.

## GENERAL INFORMATION TO CUSTOMERS WHO ORDER HARDY PERENNIAL PLANTS

The season for shipping this class of stock commences usually about April 1st and lasts until about November 1st. During this period most varieties of perennials can be successfully planted when grown in pots, as much of our stock is. Our nursery business is distinct from our general business, in so much that all orders for that class of goods are filled at our nursery and not at our city establishment, so that orders for hardy perennials, etc., are filled and shipped separately from orders for general merchandise, seeds, etc., which we handle. Were we to attempt to ship plants with other goods in the busy period of spring it would delay one or the other, and we believe our customers prefer separate

shipments, so as to give them both in due season. Plants should be unpacked immediately on arrival, planted and thoroughly watered; planting when the sun is not shining is to be preferred, and an application of water daily for three or four days after planting will ensure success. Small plants or small orders of same can often be sent parcel post, though we prefer express shipments. If wanted by mail please allow for postage charges on the following basis: 15 per cent. of the amount of the order east of the Mississippi River and 20 per cent. west of the same. In no case will postage charges be less than 5c., and if too much is remitted we will refund the excess.

### SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply plants of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipment.

### "Hardy Perennials and How to Grow Them"

A comprehensive treatise of 48 pages, including plants for hardy borders, together with a complete list of varieties. This hook is free. Send for a copy.

## ACANTHUS (Bear's Breech)

**Mollis Latifolius.** Highly decorative, rose colored, large heart-shaped leaves. 3 ft. September. 25c. each; doz., \$2.50.

## ACHILLEA (Sneezewort)

A graceful plant with finely cut foliage. Flowers are fine for cutting; flowering the entire summer.

**Boule de Neige** (Ball of Snow). An improvement on The Pearl; flower pure white, 2½ feet high.

**Eupatorium.** Brilliant yellow; 4 to 5 ft.

**Millefolium Cerise Queen.** Rich amaranth. An attractive combination when massed with the white variety; 18 in. high; red.

**Ptarmica Plena, The Pearl.** Flowers the entire summer on strong, erect stems 2 feet high; of the purest white.

**Ptarmica Grandiflora Fl. Pl.** An improvement of the Ptarmica Plena; flowers much larger. 25c. each; doz., \$2.50.

Price of any of the above (except as noted), 20c. each; doz., \$2.00; \$15.00 per 100.

## ACONITUM

### (Monkshood or Helmet Flower)

Bushy plants, blooming in clusters of beautiful helmet-shaped flowers from late summer till frost. Well adapted for shade.

**Autumnale.** Deep purplish blue; flowering in September.

**Fischeri.** Grows 18 inches high, yielding pale blue flowers.

**Lycotomum.** A free-flowering pale yellow variety, blooming during June and July.

**Napellus.** Large flowers, dark blue; August and September; 3 to 4 feet.

**Napellus Bicolor.** Dark blue and white flowers; 3 to 4 feet.

**Spark's Variety.** The darkest blue of all; 5 to 6 feet high.

**Wilsoni.** A variety from Northern China, growing 6 feet high; pale violet blue; flowers in September.

Price of Aconitums, 30c. each; doz., \$3.00; \$18.00 per 100.

## ADENOPHORA

**Potanini.** Handsome bell-shaped blue flowers; borne on branching spikes. 20c. each; doz., \$2.00; \$15.00 per 100.

## ADONIS (Bird's Eye)

These harbingers of spring, with their finely cut ornamental foliage, are of Japanese origin; their golden yellow flowers are the first to greet us, being two weeks earlier than any other hardy perennial.

**Amurensis.** Large single yellow flowers; 12 inches high. 50c. each; doz., \$5.00.

**Amurensis Fl. Pl.** Large double yellow flowers; 12 inches high. 50c. each; doz., \$5.00.

**Vernalis.** Bright yellow; 6 inches; April to May. 25c. each; doz., \$2.50.

## AEGOPODIUM (Bishop's Weed)

**Podagaria Variegata.** Green and yellow variegated foliage; 1 foot high. 20c. each; doz., \$2.00; \$12.00 per 100.

## AETHEOPAPPUS (New)

**Pulcherrimus.** The flowers, resembling Giant Cornflowers, are of a dazzling pink. Splendid for cutting; July; 2½ feet high. 30c. each; doz., \$3.00.

## AGROSTEMMA (Rose Campion)

**Coronaria** (Mullein Pink). Tufts of silvery foliage throwing up many silvery-lined stems 2 feet high, with bright single crimson flowers during June.

**Coronaria Alba.** A white flowered form.

**Flos Jovis** (Flower of Jove). Deep pink. Price of Agrostemmas, 20c. each; doz., \$2.00; \$12.00 per 100.



Anemone Japonica

## AKEBIA QUINATA (See Page 148)

## ALYSSUM

### (Gold Dust or Basket of Gold)

Splendid edging plants. Ideal for rocky or special flower garden work; 1 foot high.

**Rostratum.** Bright golden yellow.

**Saxatile Compactum.** Golden yellow.

Price of Alyssums, 20c. each; doz., \$2.00; \$12.00 per 100.

## ANCHUSA ITALICA

### (Sea Bugloss)

**Dropmore Variety.** Plants grow 4 feet high in pyramidal shape; branch freely and are overloaded with bright blue forget-me-not-like flowers in June; very showy and valuable.

**Myosotidiflora** (New). Dwarf variety; 12 to 15 inches high; covered in April and May with masses of bright blue forget-me-not-shaped flowers.

**Opal.** Similar to the above variety, with large pale blue flowers; May to July.

Any of the above Anchusas, 25c. each; doz., \$2.50; \$17.50 per 100.

## ANEMONE JAPONICA

### (Windflower)

As a last greeting of autumn these gay flowers appear in wondrous brilliancy and produce a wealth of bloom just before nature clothes the earth with a mantle of frost.

Plants vary from 2 to 3 feet high, and are ideal for cutting; flowers in cup form appear some time in August and remain till frost. Plants require winter protection with leaves, straw or long manure, but amply repay one for the extra trouble taken.

**Alba.** Large, pure white; 3 to 4 feet.

**Alice.** While we have some good sorts in white and lavender pink, there never has been a real pink until this variety was placed on the market. The shade is brilliant, which looms up in the garden; it may be used for splendid effect as a cut flower; height, 15 inches. 30c. each; doz., \$3.00; \$17.50 per 100.

**Coupe d'Argent.** An erect growing, free-flowering variety with large double white flowers; 3 feet. 30c. each; doz., \$3.00; \$17.50 per 100.

**Geante Blanche.** This is the largest single white; a fine, bold flower; really one of the very best. 30c. each; doz., \$3.00; \$17.50 per 100.

**Hupehensis** (New). A new introduction from China and a very valuable acquisition to the Anemone family. They grow about 12 inches high and are covered from August until frost with masses of pale mauve pink flowers. 25c. each; doz., \$2.50.

**Kriemhilde.** Semi-double, very large, lovely rose pink flowers; fine for cutting. 30c. each; doz., \$3.00; \$17.50 per 100.

**Lady Ardilaun.** Produces an abundance of pure white, semi-double flowers, excellent for cutting; a strong grower. 4 feet. 25c. each; doz., \$2.50.

**Loreley.** Semi-double mauve pink flowers usually 2½ to 3 inches in diameter; one of the finest of recent introductions. 30c. each; doz., \$3.00; \$17.50 per 100.

**Pennsylvania.** Our native Windflower. White flowers with a tinge of red on the under side. 18 inches high.

**Prince Henry.** Deep pink double flowers.

**Queen Charlotte.** Semi-double flowers of a rich pink shade; one of the finest.

**Rubra.** Rich rosy red, 3 to 4 feet.

**Whirlwind.** Large semi-double, pure white. Price of Anemones, except where noted, 20c. each; doz., \$2.00; \$12.00 per 100.

## ANTHEMIS (Marguerite)

**Tiuctoria.** One of the most satisfactory perennials. Grows well in any soil; large daisy-like golden yellow flowers. 20c. each; doz., \$2.00; \$12.00 per 100.

## ANTHERICUM (St. Bruno's Lily)

Handsome border plants with charming flowers, valuable for cutting. Excellent for naturalizing. Require plenty of water when in bloom.

**Lillastrum.** Very large, fragrant, lily-like white flowers; 1½ to 2 feet high. 25c. each; doz., \$2.50; \$17.50 per 100.



Aquilegia or Columbine

# MICHELL'S HARDY PERENNIAL PLANTS

## AQUILEGIA

(Columbines)

For spring flowers these are invaluable, producing their graceful spurred flowers on stems rising 2 feet over their elegant foliage, during May and June. For rockery gardens, semi-shaded places, in hardy borders or planted in clumps, they look effective.

**Californica Hybrida.** A grand mixture of long spurred varieties covering all shades and colors in this class.

**Canadensis.** Bright red and yellow.

**Chrysantha.** Bright yellow, long flowers.

**Chrysantha Alba.** Pure white.

**Coerulea.** Blue and white, long spurred.

**Erskine Park Hybrida (Mixed Colors).** A grand mixture of finest varieties, including every color in Columbines.

**Flabellata Nana Alba.** Dwarf; pure white.

**Haylodgensis.** Satiny rose, long spurred; a splendid new sort. 25c. each; doz., \$2.50; \$17.50 per 100.

**Helena.** A large blue flowering sort with pure white spurs.

**Rose Queen.** A newer variety of a pleasing shade of delicate pink, long spurred flowers.

Price of above Aquilegias (except where noted), 20c. each; doz., \$2.00; \$12.00 per 100.

## ARABIS (Rock Cross)

Dwarf bushy plants six inches high; ideal for rockeries and borders. It remains in flower a long while, presenting a perfect carpet of bloom.

**Alpina.** Single snowy-white flowers, 20c. each; doz., \$2.00; \$12.00 per 100.

**Alpina Fl. Pl.** Double white, very showy. 25c. each; doz., \$2.50; \$17.50 per 100.

**Alpina Rosea (New).** A distinct novelty. The plants are literally covered with rose-pink flowers in April and May. 35c. each; doz., \$3.50.

## ARENARIA

**Montana.** A pretty rock plant, having the habit of Cerastium; grows 4 inches high; flowers white and borne in greatest profusion. 25c. each; doz., \$2.50.

**ARISTOLOCHIA** (See Page 148)

**ARMERIA (Sea Pink or Thrift)**

**Maritima Leucheana Rosea.** Bright pink, profuse bloomer.

**Maritima Leucheana Alba.** Pure white.

**Maritima Splendens.** Bright rosy pink; 12 inches.

**Maritima Alba.** Forms neat tufts studded with white flowers.

Price of above Armeria, 20c. each; doz., \$2.00; \$12.00 per 100.

**ASCLEPIAS (Butterfly Weed)**

**Incarnata (Swamp Milkweed).** Very showy border plant; 2½ feet high; rose pink flowers in July and August.

**Tuberosa.** A showy plant, 2 feet high, with large heads or clusters of orange flowers blooming in July and August. The bright color is quite a contrast to white and other flowers when planted in the hardy border; fine for cutting.

Price of Aselepias, 20c. each; doz., \$2.00; \$12.00 per 100.

## ASPERULA

(Woodruff or Waldmeister)

An old-fashioned favorite perennial, grown in the half shade. The leaves are used for flavoring May Wine in Germany. When dried, like lavender, they can be placed among clothes, as they retain their fragrance for years.

**Odorata.** Small, pure white flowers; 6 to 10 inches high. 25c. each; doz., \$2.50.



Hardy Asters

## HARDY ASTERS (Michaelmas Daisy)

Tall-flowering, stately plants, which may be used with splendid effect in borders and as specimens in lawns, in large groups or beds. It forms the basis of a color scheme in a perennial border during the months of September and October and often lasts well into November. The rich shades of blue and purple blend harmoniously with most any surrounding. They thrive equally well in sun or partial shade. For cutting they are invaluable. The wide range of color makes this one of our finest summer and autumn flowering perennials.

**Abendrote (Evening Glow).** A very choice variety; 2½ feet high, with rosy red flowers. 25c. each; doz., \$2.50; \$17.50 per 100.

**Advance (New).** Clear Cambridge blue, bright yellow disc; habit similar to Climax; 5 feet; September-October. 25c. each; doz., \$2.50; \$17.50 per 100.

**Amellus Preciosa.** Has very fine flowers of a deep dark violet color. 25c. each; doz., \$2.50; \$17.50 per 100.

**Amethystinus.** Beautiful amethyst blue; a very rich shade and showy; October-November. 25c. each; doz., \$2.50; \$17.50 per 100.

**Beauty of Colwall.** A grand double-flowering type of a beautiful lavender shade; height, about 4 feet; September. 25c. each; doz., \$2.00; \$12.50 per 100.

**Beauty of Ronsdorf.** Undoubtedly one of the finest hardy Asters; the plants are of a branching habit, covered with large delicate lilac rose flowers from August to October. 25c. each; doz., \$2.50; \$17.50 per 100.

**Don (New).** Large blue flowers suffused with pink, bright yellow centre, somewhat after the style of Climax. 4 to 5 feet; September. 25c. each; doz., \$2.50; \$17.50 per 100.

**Ericoides Alba.** Lovely heather-like foliage, densely covered with white flowers; very graceful; September; 3 to 4 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

**Ericoides Superba.** Graceful branching habit; pale blue flowers; 6 feet; October. 25c. each; doz., \$2.50; \$17.50 per 100.

**Feltham Blue.** One of the most decorative blue varieties; 2½ feet.

**Grandiflorus.** One of the finest, quite distinct from all others. The flowers are of a beautiful dark violet color, often measuring 2 inches in diameter; October-November; 2½ feet. 25c. each; doz., \$2.50; \$17.50 per 100.

**Marjorie Hickman (New).** Silvery mauve flowers of fine form; good for cutting; 4 to 5 feet; September. 25c. each; doz., \$2.50; \$17.50 per 100.

**Mrs. F. W. Raynor.** Large, bright rosy red flowers; one of the best; September-October; 3 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

**Nancy Ballard (New).** The finest introduction of recent years. This is best described as a rosy lilac Beauty of Colwall; of erect habit, producing its flowers in great profusion, which on first opening are perfectly double, passing to semi-double; 4 feet; August. 50c. each; doz., \$5.00.

**Perry's Pink.** A pleasing bright pink; one of the best in this color; September. 25c. each; doz., \$2.50; \$17.50 per 100.

**Queen (New).** Best described as a white Climax; with only a faint tinge of blush, but all the good qualities of the parent; 4 to 5 feet; Sept. 50c. each; doz., \$5.00.

**Roseus Superbus.** A most beautiful Aster; the plant is of sturdy, branching habit, and forms a round flower head; about 2 feet high, with exquisite rose-colored blooms.

Price of the above Asters (except where noted), 20c. each; doz., \$2.00; \$12.00 per 100.

## ALPINE ASTERS

Flowering in June and July. For rockwork they are almost indispensable.

**Alpinus (Blue Mountain Daisy).** Flowers bright purple; 6 inches high.

**Alpinus Albus.** White flowers, 6 inches.

**Subcoeruleus.** Bright mauve flowers with yellow centres. 2 feet.

Price of Alpine Asters, 25c. each; doz., \$2.00; \$15.00 per 100.

## ARTEMISIA

**Abrotanum (Old Man).** Dark green foliage, which has a pleasant aromatic odor.

**Lactiflora.** An excellent perennial with flower stems 3 to 4 feet long, covered with creamy white flowers. A planting of these mingled with colored perennials makes a grand sight; blooms continuously from August until late September. 25c. each; doz., \$2.50; per 100, \$15.00.

**Pedemontana.** Very ornamental variety, with finely cut silvery foliage; 2 feet high.

**Stellariana (Old Woman).** Silvery foliage; extensively used for carpet bedding.

Price of Artemisias, except where noted, 25c. each; doz., \$2.00; \$12.00 per 100.

## ASTILBE ARENSDI

The plants of this Spiraea type are of vigorous growth; 2½ to 3 feet high, producing branched feathered heads of flowers in June and July. They prefer a half shaded location in any ordinary garden soil.

**Ceres.** Brilliant lilac rose.

**June.** Vigorous grower, with plumes of a deep violet color.

**Salmon Queen.** Graceful plumes of a beautiful salmon pink.

**Venus.** Plumes are of a brilliant purplish pink color; charming new variety.

**Vesta.** Light lilac rose plumes; free-flowering.

Prices of the above Astilbes (except where noted), 35c. each; doz., \$3.50.

**Special Offer.**—One each of the above Astilbe Arensdi for \$1.50.

(See also page 127 for other Astilbe.)

Hardy Aster Plants can be shipped best by express or freight. No Plants C. O. D.

(ht)

## ASTILBE

The two varieties offered below are vigorous growing plants with beautiful feathered flower heads. They like a half shaded location, and plenty of moisture.

**Davidii.** The stems, which are 5 to 6 feet high, are crowned with feathery plumes of deep rose violet flowers; June-July. 25c. each; doz., \$2.50.

**Grandis.** The panicles of white flowers are frequently 2½ feet long; very attractive; fine foliage; blooms July-August. 25c. each; doz., \$2.50.

## AUBRIETIA (Wall Cress)

A suitable plant for rock gardens; the broad mass of light green foliage is covered with a sheen of flowers in spring and summer; 6 inches high.

**Bougainvillei.** Very showy, purple flowers.

**Graeca.** Deep purple.

**Leichtlini.** Bright reddish crimson.

Price of the above, 25c. each; doz., \$2.00; \$12.00 per 100.

## BAPTISIA (False Indigo)

**Australis.** A robust growing plant, suitable for the border or wild garden. Foliage is dark green, deeply cut; the flowers are dark blue, borne on spikes, in June and July; 2 feet high.

**Tinctoria.** Spikes of bright yellow blossoms, 2-3 feet.

Price of Baptisias, 25c. each; doz., \$2.00; \$12.00 per 100.

## BIGNONIA (See Page 148)

## BOCCONIA (Plume Poppy)

**Cordata.** A splendid plant, growing sometimes 6 feet high, bearing panicles of creamy-white flowers in July and August; makes a grand effect as a centre in a hardy bed or a border background. 20c. each; doz., \$2.00; \$12.00 per 100.

## BOLTONIA (False Chamomile)

Tall-growing, showy plants, with hardy aster-like flowers; appearing in September; 5 to 7 feet.

**Asteroides.** Pure white; 5 to 6 feet.

**Latisquama.** Pink, tinted lavender; 6 feet.

**Latisquama Nana.** Pink, tinted lavender; 2 feet high.

The above, 20c. each; doz., \$2.00; \$12.00 per 100.

## CALIMERIS (Starwort)

**Incisa.** Attractive border plant, growing from 1 to 1½ feet high. The daisy-like flowers are of a delicate lavender shade, with a yellow centre; blooms from July to September. 25c. each; doz., \$2.50; \$17.50 per 100.

## CALLIRHOE (Poppy Mallow)

**Involucrata.** Large crimson flowers with white centre, much resembling a giant mallow or Hibiscus; blooms all summer. 20c. each; doz., \$2.00; \$12.00 per 100.

**Lineariloba.** Large Poppy-like flowers, crimson and white; 9 inches; June-September. 20c. each; doz., \$2.00; \$12.00 per 100.

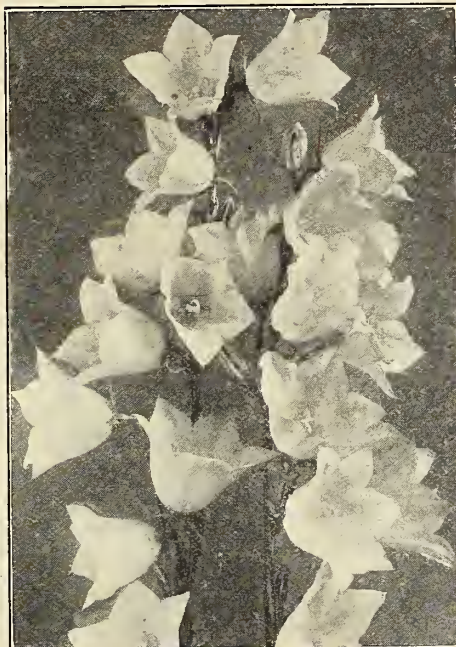
## CALTHA (Marsh Marigold)

Meritorious showy perennials; effective when massed by the side of streams or ponds, growing 12 to 15 inches high and flowering in early spring.

**Palustris.** Single; bright yellow. 20c. each; doz., \$2.00; \$12.00 per 100.

**Palustris Flore Pleno.** A double-flowering variety of the above. 25c. each; doz., \$2.50; \$17.50 per 100.

**Palustris semi-plena.** Beautiful new semi-double form of the Marsh Marigold; a great improvement on both the older varieties. 35c. each; doz., \$3.50.



Campanula or Bell Flower

## CAMPANULA (Bell Flower)

Showy perennial plants of special merit; some are tall, suitable for borders; others are dwarf, for rockeries and edging. In every well-ordered hardy garden Campanulas should have a prominent place. They delight in a good rich loam, preferring a semi-shaded place. The taller varieties should be carefully staked, to prevent them from being broken during windstorms. If the flowers of Campanulas are cut as they fade, it greatly prolongs the blooming period.

**Alba.** Pure white.

**Calycanthena (Cup and Saucer).** These are biennials, and last only one season, when planted in the autumn. Pink, White and Blue, each color separate; height, 18 inches; June-July.

**Carpatica (Carpathian Hare Bell).** Very dwarf and shrubby; ideal for border or rockery planting, being about 8 inches high; flowers from June till frost. Blue and White, each separate.

**Coerulea.** Light blue.

**Glomerata (Cluster Bell Flower).** Densely decked stamens of violet-colored flowers appearing in July and August; height, 20 inches.

**Latifolia Macrantha.** Very handsome, large drooping bells of a fine satiny lilac and deep purplish shades. 3 feet.

**Media (Old-fashioned Canterbury Bells).** This is a biennial type, like the Calycanthena, and will last only one season, when planted in the autumn. It flowers freely in June, July and August, and grows 3 to 4 feet high. Blue, Pink and White, in separate colors. 25c. each; doz., \$2.50; \$15.00 per 100.

**Moerheimi.** A handsome variety with large open, pure white, semi-double flowers, borne on stiff, erect flower stalks. 25c. each; doz., \$2.50.

**Persicifolia (Peach Bell).** Extremely hardy making a splendid show in June, July and August. The stately spikes are tall, often 3 feet high, and present a grand appearance.

## CAMPANULA (continued)

**Pyramidalis (Chimney Bell Flower).** The tallest of all Bell flowers, growing from 5 to 7 feet in height, the massive flower stalks being dressed with the beautiful bells from August till October. These being such strong growers, require rich soil and an occasional supply of liquid manure. Blue and White, each separate, 25c. each; doz., \$2.50; \$15.00 per 100.

**Rotundifolia (Blue Bells of Scotland).** Light, graceful spikes of drooping deep blue flowers. 6 to 12 inches.

**Trachelium (Coventry Bells).** Purple flowers June and July; 3 feet high.

Price of any of the Campanulas (except where noted), 20c. each; doz., \$2.00; \$12.00 per 100.

## CHRYSANTHEMUMS (Daisy Types)

This class of perennials are beautiful, large flowers produced in great numbers on long stems and fine for cutting. The flowers are snowy white with bright yellow centres; the individual blooms often measure 4 inches in diameter.

**Arcticum (Arctic Daisy).** This hardy perennial is a native of Alaska. It is very attractive, having pretty dark green foliage, and in September multitudes of pure white flowers, 2 to 2½ inches across, make their appearance and continue in bloom through October and November. 25c. each; \$2.00 doz.; per 100, \$15.00.

**Leucanthemum Alaska (Shasta Daisy).** Pure white; yellow. 20c. each; doz., \$1.50; \$10.00 per 100.

**Maximum King Edward VII.** Snowy white, cup shaped, enormous flower, grown on stout stems 3 to 4 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

**Maximum Vermoreuse.** The flowers are single, borne on stems 18 inches long and often measuring 3 inches in diameter; pure white. We can best describe it as a glorified Shasta Daisy. July to September. 25c. each; \$2.50 doz.; per 100, \$17.50.

**Nipponicum.** A species from Japan, growing about 24 inches high; heavy foliage; large white flowers in September and October. 25c. each; doz., \$2.50; \$17.50 per 100.

(For other Hardy Chrysanthemums, see pages 128, 129.)



Chrysanthemum (Shasta Daisy)

# MICHELL'S HARDY CHRYSANTHEMUMS

"THE QUEEN OF AUTUMN FLOWERS"

We make a specialty of these, our collection consisting of the very best sorts

No class of flowering perennials adds such a wealth of color and bloom to the garden in autumn as these. The plants are literally covered with flowers from the middle of September till the snow buries them.

**EARLY FLOWERING VARIETIES.** In front of varieties of this class we have prefixed the letter (E), and probably should state here that these are not dependably hardy in our climate, even though protected when left outdoors in the winter.

Those who are not yet acquainted with this type of Chrysanthemum, on seeing them for the first time, will realize at once their wondrous beauty and free-flowering qualities. Although they are principally cultivated as an outdoor plant, they respond wonderfully when grown inside.

They are chiefly conspicuous by the fact that some varieties commence to bloom as early as August and continue in flower until cut down by severe frost. The blooms of most kinds measure as much as 3½ to 4 inches across, and if disbudded form handsome specimen blooms on long stems, admirably adapted for decorative purposes. We predict that when these become better known they will entirely supersede the smaller type of hardy "mums" now in general use.

**SUGGESTION.**—While generally conceded to be hardy, we recommend a slight protection of long straw manure over the roots of all hardy Chrysanthemums during the winter months, or, better yet, after they have finished blooming cut the plants down, lift them and place in a cool cellar (light and airy) or in a cool frame and set out in the spring.

**Aaron.** Bronze Scarlet with bright yellow centre; single.

(E)—**Almirante** (New). Orange buff at base of petals; shading to primrose yellow at edge of petals; a large, fine flower which, when disbudded, is often 6 inches across.

**Baldwin's Scarlet.** As the name implies, this is the nearest approach to scarlet in color that has so far been produced.

(E)—**Blauche Neige** (New). Pure white, a splendid flower; excellent for cutting; greatly recommended; September-October; 2½ feet.

**Bronze Source d'Or.** One of the so-called decorative varieties. Larger than the Pompon type, is excellent for cutting in sprays or for growing in pots. Color, a deep golden bronze.

(E)—**Champagne.** Rich, ruby red; of wonderful free-flowering habit. It is among the later varieties, starting to flower early in October and lasting until mowed down by frost.

(E)—**Chatillon** (New). Citron-yellow with a slight reddish tinge, which gives the flower a charming appearance. Very vigorous grower. September-October.

(E)—**Cranfordia.** We can strongly recommend this variety for cutting. It is perfect in flower, stem and foliage. Very free flowering; color lemon yellow.

(E)—**Cranford's Pink.** An exquisite shade of mallow pink. The plant has a stiff branching habit. When cut in long sprays, it is a wonderful sight. Early October.

(E)—**Cranford's Yellow** (New). A magnificent golden yellow; flowering in October; a strong flower and very free.

**Delicata.** Large flowered, free bloomer, cameo pink.

**Elva.** The most beautiful of white Pompons, pure in color and of full, fluffy form.

(E)—**Ethel Blades.** A distinct shade of chestnut red, in fact the color is so unique that it is difficult to appreciate, unless one actually sees it in bloom.

**Excelsior.** Large flower, bright orange yellow, long stems.



Early Flowering Chrysanthemum—Normandie



Single Chrysanthemum—Red Riding Hood

**Eleganta.** Deep pink, shaded white, medium size flowers; medium height, early flowering.

**Fairy Queen.** Clear pink in color with nicely formed flowers; medium size. A very fine mid-season variety.

(E)—**Goachers Crimson.** This variety grows about 2½ feet high. When disbudded, the rich crimson blooms are often 5 inches in diameter. It begins to bloom early in September.

**Golden Climax.** Orange yellow. The finest of the many yellows, possessing every necessary qualification. Blooms November 10th to 20th; very free and long stem.

**Golden Harvest.** A medium-sized variety of the button type. Deep golden yellow with a tinge of bronze, a color which, when finished, is very pleasing.

**Golden West.** A duplicate of the yellow baby, except it is twice as large. Rather compact in growth, but an excellent variety for pot plants.

**Irene.** Pure white, shaded flesh, dwarf grower, very free and early bloomer, also excellent for pot plants.

Plants shipped best by express. None shipped C. O. D.

(ht)

- Iva.** Small flowers of deep bronze, mid-season. One of the freest flowering varieties we have.
- Julia Lagravere.** Crimson maroon in color, and very late; best variety in its color; produces fine sprays for cutting.
- (E)—La Garonne (New).** Reddish salmon, tinted old rose; very free, large flowering; 2 feet; September-October.
- Leota.** Delicate pink with bright rose reverse which gives the effective bright centre in each bloom if cut a few days before fully developed; dwarf habit.
- Lillia.** Tall, stiff stems, good size flowers, freely produced, deep red in color, excellent for cut sprays.
- Lillian Doty.** The finest pink in the large-flower section of the entire Pompon family. The plant is a tremendous grower, producing beautiful sprays of clear light pink flowers.
- Lyndhurst.** Small flowers, very deep red, mid-season; a splendid outdoor variety in its color.
- (E)—Marie Dufour.** Grows one foot high; is absolutely snow-white in color. The showiest variety for use as a border and makes an ideal pot plant.
- (E)—Martin Reed (New).** Pure yellow sport from Perle Chatillonnaise. The best early flowering yellow yet offered; single flower.
- Miss Mary Pope.** Pale pink, very large single flowers, one of the best.
- Mrs. W. E. Buckingham.** In color a brilliant shade of rose pink, a vigorous grower; single flower.
- Nesco.** Old rose in color, maturing about October 20th. Flower of button type. As a producer, Nesco has shown it is one of the best.
- Nippon.** This Pompon makes an ideal pot plant, being short-jointed and bushy in growth, forms a perfect plant with practically no pinching. Color, flesh-white, with light yellow centre. Also one of the best outdoor varieties. Season of flowering first week in November.
- Nordi.** A pure white Pompon, maturing November 10th to Thanksgiving. Seven to eight medium-sized flowers to the spray with strong wiry stems.
- (E)—Normandie.** Delicate pink of a lovely shade. One of the earliest, beginning in August and lasting well into October.
- Orange Pet.** Pretty shade of orange terra-cotta; flowering the early part of October.
- Overbrook.** Very free flowering; golden yellow; button type; early.
- (E)—Petit Louis.** Beautiful silvery mauve. Plant is a very strong grower, and one of the most satisfactory varieties for outdoors.
- Pink Beauty.** Rose pink flowers of medium size.
- (E)—Provence.** Beautiful rose color, with a golden centre, forming a large imbricated bloom; of splendid branching habit and a vigorous grower; September-October; 2½ feet.
- Queen of the Whites.** Fine creamy white, best in its color.
- Quinola.** Large flowers, golden yellow in color. Strong growing plant, very fine for cutting and sprays. Late.



Hardy Chrysanthemum—Baldwin's Scarlet

- Red Riding Hood.** Brilliant crimson single flowers of good size, developing fully in early October. A splendid variety for cut sprays. Excellent for garden and border planting.
- Rosamundi.** Lilac shading to tourmaline pink. Large single flowered.
- Rufus.** Small flower, button type, reddish bronze in color. One of the finest and freest and very bright in the garden.
- White Doty.** This is a hardy plant that will grow outdoor just as well as in the greenhouse, and will give the grower wonderful results grown either way. This variety fascinates everyone. Color, pure milk-white.

**PRICES OF HARDY CHRYSANTHEMUMS**

All varieties marked (E) or Early Flowering sorts, 20c. each; doz., \$2.00; \$12.00 per 100. All other sorts on page 128 are 15c. each; dozen, \$1.50; \$8.00 per 100.

**CARNATIONS**

**(Hardy Border Varieties)**

This class embraces a marvelous range of color, from pure white through all shades of pink, from light to darkest yellow, also light and dark red. Mixed colors only, 25c. each; doz., \$2.00; \$12.00 per 100.

**CARYOPTERIS**

**Mastacanthus (Blue Spiraea).** A hardy perennial of the easiest culture, flowering in September and October. The flowers are light blue; 2 feet high. 20c. each; doz., \$2.00; \$12.00 per 100.

**CASSIA (American Senna)**

**Marilandica.** A desirable perennial yielding enormous sprays of oddly formed flowers, bright yellow; the foliage is also showy; 3 to 4 feet; July and August. 20c. each; doz., \$2.00; \$12.00 per 100.

**CATANANCHE (Cupid's Darts)**

The flowers, which are splendid for cutting, resemble somewhat the Cornflower.

**Bicolor.** Blue and white; 2 feet high.

**Coerulea.** Bright blue; 2 feet. The above 20c. each; doz., \$2.00; \$12.00 per 100.

**CEDRONELLA (Balm of Gilead)**

**Cana.** Long spikes of purple, salvia-like flowers, with highly scented foliage; 2½ feet high; July to September. 20c. each; doz., \$2.00; \$12.00 per 100.

**CELASTRUS (See Page 148)**

**CENTAUREA**

**(Perennial Cornflower)**

Fine border plants, producing flowers suitable for cutting; these are quite large, and a bunch makes an attractive display.

**Dealbata.** Bright rose; 18 inches high.

**Macrocephala.** Golden yellow.

**Montana.** Rich violet blue.

**Montana Alba.** Pure white.

The above 25c. each; doz., \$2.50; \$15.00 per 100.

**CERASTIUM (Mouse Ear)**

**Tomentosum.** A low, creeping evergreen, with silvery foliage and white flowers. Good for rockeries, much used for covering graves; does well in the sun. 20c. each; doz., \$2.00; \$12.00 per 100.

**CHAMAEPYCE (Blessed Thistle)**

**Diacantha.** Thistle-like, crimson flowers, 2½ feet high; August and September. 20c. each; doz., \$2.00; \$12.00 per 100.

**CHELONE (Shellflower)**

Handsome border plants, growing about 2 feet high, and bearing numerous spikes of large flower heads during summer and autumn.

**Glabra Alba.** Large spikes of cream white flowers.

**Lyonii.** Handsome perennial, which grows in any soil; lovely soft pink flowers.

**Lyonii Speciosa.** A dwarf light pink. Price of Chelones, 25c. each; doz., \$2.50; \$17.50 per 100.

**CIMICIFUGA (Snake Root)**

**Dahurica.** Bold, erect, cylindrical flower stems, over 4 feet high with a wealth of creamy white flowers in August and September. 25c. each; doz., \$2.50; \$17.50 per 100.

**Racemosa.** Tall growing plant, 4 to 6 feet high, well suited for borders or naturalizing at the edge of woods; flowers pure white; July and August. 25c. each; doz., \$2.50; \$17.50 per 100.

**Simplex.** One of the latest plants to flower in our collection, beginning to bloom in late September and attaining its greatest beauty about mid-October, when good flowers are scarce. The spikes, 2 to 3 feet long, are covered with beautiful white flowers; excellent for cutting. 50c. each; doz., \$5.00.

**COREOPSIS**

**Lanceolata Grandiflora.** Flowers rich golden yellow of graceful form and fine for cutting. A few plants make a handsome display, either planted individually or in clumps; the flowers are produced in thousands on a single plant, and where quantity and quality are wanted Coreopsis should be planted; June till October. 20c. each; doz., \$2.00; \$12.00 per 100.

**Verticillata.** A slender growing perennial, somewhat in appearance to the Nigella or Love-in-a-Mist. Flowers rich golden yellow. 2 feet. 20c. each; doz., \$2.00; \$12.00 per 100.

# MICHELL'S HARDY PERENNIAL PLANTS

## CLEMATIS

(Climbing Sorts) (See Page 147)

### CLEMATIS (Shrubby Varieties)

This type of Clematis deserves a place in every garden. They form erect bushes, 2½ to 3 feet high, and the flowers, which last a long time, are very attractive.

**Campanile (New).** Plant forming a clump 4 feet high, with foliage like *C. Davidiana*; the stems are covered with a profusion of flower clusters; the individual flowers are similar to Hyacinths, when opening, then they become well expanded and reflexed. Color light azure blue, shading to white in the centre. 35c. each; doz., \$3.50.

**Cote d'Azur.** Deep azure blue flowers, produced in panicles in form of small pyramids along all the branches. 4 feet high. 50c. each; doz., \$5.00.

**Davidiana.** A beautiful variety, with bell shaped deep blue flowers, which are deliciously fragrant; 3 feet high; August and September. 20c. each; doz., \$2.00; \$12.00 per 100.

**Oiseau Bleu (New).** Small foliage, erect stems; the upper part of the plant being covered with light and elegant panicles; flowers, when opening, similar to Hyacinths, then taking a star-like form; azure blue, fading to pale pinkish lilac. 50c. each; doz., \$5.00.

**Recta.** Very effective plant, with large showy clusters of pure white flowers. 25c. each; doz., \$2.50; \$17.50 per 100.

**Recta Fl. Pl.** This is one of the best Perennials in cultivation; it is identical in every respect with *Recta*, except that the pure white flowers are double and larger; it should be in every collection. 50c. each; doz., \$5.00.

**Recta Grandiflora (True).** A rare novelty, producing large panicles of pure white flowers, 1 to 1¼ inches across; height, 3 feet; very scarce. 50c. each; doz., \$5.00.

## CINNAMON VINE

(See Page 148)

### CORONILLA (Crown Vetch)

**Varia.** A rampant creeper with handsome globular flower heads of showy bright pink and white sweet pea shaped flowers; a useful plant for covering rough banks or for the rockery. 20c. each; doz., \$2.00; \$12.00 per 100.



Dielytra Spectabilis



Dianthus or Hardy Pinks

### DAISY (Bellis Perennis)

The English Daisy is one of the first of spring flowers, blooms at the first spell of warmth. Planted in Rose borders or bulb beds between Hyacinths and Tulips they produce a show in a place that would otherwise have a dead appearance. A combination of these with Myosotis and Pansies produce a rare treat in early spring flowers. They make a similar effect planted among late Tulips, covering the bare ground between the bulbs very effectively. We grow the Giant flowering strain and offer vigorous plants in *Monstrota* type.

White, Pink, Red; each separate. 10c. each; doz., \$1.00; \$7.00 per 100.

### DIANTHUS (Garden Pinks)

They are brilliantly colored flowers, which appear in great numbers on the plant, and have a rich clove scent. For table bowls, as a cut flower, they are much in use. For edging hardy borders, garden walks, or planted in rock gardens, they fill an important place. They are at their height of bloom in June.

**Deltoides (Maiden Pink).** A continuous flowering variety with pink flowers. Especially suited for rock work.

**Deltoides Alba.** White flowers.

**Lactifolius Atrococeus Fl. Pl.** (Everblooming Hybrid Sweet William). A splendid variety with brilliant crimson double flowers. Flowers continuously during the entire season.

Each of the above 20c. each; doz., \$2.00; \$12.00 per 100.

### DICTAMNUS (Gas Plant)

One of the hardiest of all perennials, which often will last for a generation and longer. The foliage is fragrant, while the spikes of rather oddly shaped flowers emit a luminous vapor, which is said to be inflammable. Height about 2 feet, flowering in June and July.

**Caucasicus.** A gigantic form, with rose-pink flowers of very large size.

**Fraxinella.** Rose-pink flowers with dark veins.

**Fraxinella Alba.** Pure white.

Each of the above 25c. each; doz., \$2.50; \$15.00 per 100.

### DIELYTRA (Bleeding Heart)

**Formosa.** This dwarf-growing species has finely cut ornamental foliage, and produces its attractive pink flowers in great profusion from April to August; 15 inches high. 25c. each; doz., \$2.00.

**Spectabilis.** One of the most beautiful border and shrubby plants, with graceful, fern-like foliage and attractive heart-shaped pink and white flowers appearing in April. Large roots, 25c. each; doz., \$2.50; \$17.50 per 100.

### DIGITALIS (Foxglove)

These showy plants are but biennials (that is, live outdoors for two seasons), but can be made perennial by the following treatment: Immediately after blooming remove the flower stalk right down to the ground, also crop some of the large leaves; the result is a number of new plants start from the old crown, which produce splendid flowers the second year. *Digitalis* will do well in semi-shaded spots; plants grow from 4 to 6 feet high; flower in June.

**Gloxinaeflora.** White, Pink, Purple, Lilac, Yellow. Each separate.

**Lanata.** A distinct species, producing dense spikes of curious-looking flowers, the corolla being gray, the lips white.

Any of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

### DORONICUM (Leopard's Bane)

This flowers very early in the spring; about 2 feet high. Is most effective when planted in masses. The plants can be taken up in the fall if desired (although they are perfectly hardy) and be made to bloom indoors. It is a fine cut flower, closing towards the end of the day and opening up each morning. Flowers June and July.

**Clusii.** Dwarf; large, soft yellow flowers; 2½ to 3 inches across.

**Caucasicum.** Exceptionally free bloomer, rich yellow; a vigorous grower.

**Magnificum.** Bright yellow, 2 to 3 feet; very showy.

**Plantagineum Excelsum.** Spring-flowering, robust growing variety with deep yellow flowers.

Price of *Doronicums*, 25c. each; doz., \$2.50; \$17.50 per 100.



A Group of Digitalis

Plants travel best by express. No plants shipped C. O. D.





Delphinium, "King of Delphiniums"

On account of the important part Hardy Larkspurs play in perennial plantings, it occurred to us that a brief treatise on their culture, which follows, might be of assistance to our customers. The plants can be set out in the spring when the ground has opened permanently. Pot-grown specimens can be successfully planted from then on up until the first of November. In view of the wonderful display that Larkspurs make, it is worth while to exercise care in locating a most suitable position and in the preparation of the ground. Latter should have a good natural drainage. Never use animal manure in planting Delphinium, unless it has been incorporated in the soil a year before planting. Pure bonemeal is the best fertilizer in promoting growth. Apply with it also some wood ashes; the latter will assist in holding in check earth grubs, which at times attack the roots and crowns of the plant. In order to keep Larkspurs in bloom continuously during the summer, cut the old flower stems off, after they have faded, and new shoots will produce flower heads successfully. To get the best out of hardy Larkspur in the way of flowers, feed them occasionally during the growing season with an application of ground bone. A slight covering of long straw or leaves over the crowns of the plants during winter will prove a great benefit.

**Bella Donna.** The freest and most continuous blooming of all. The clear turquoise-blue flowers are not surpassed by any. 25c. each; doz., \$2.50; \$17.50 per 100.

**Belladonna Semi-Plena.** The finest of all light blue Larkspurs. The majestic spikes are covered with flowers of gigantic size, the latter appearing in several rows on the stem. Planted amongst the dark blue kinds it makes a charming effect. 30c. each; doz., \$3.00; \$20.00 per 100.

**Capri.** The origin of this variety is from the same source as the wonderful sort Moerheimi, to which it is an elegant companion. The immense sky blue flowers are a rich attraction to any garden. Extra strong plants, 40c. each; doz., \$4.00; \$30.00 per 100.

**Chinense Album.** Same as below in white. 20c. each; doz., \$2.00; \$12.00 per 100.

**Chinense Azureum.** Plants grow but 2 feet tall, branch freely, each branch terminating with a loose spray of single flowers; color, a deep clear blue. 20c. each; doz., \$2.00; \$12.00 per 100.

**Formosum.** Dark blue, white centre, spikes 3 to 4 feet tall, vigorous; free blooming. 20c. each; doz., \$2.00; 100, \$12.00.

**Formosum Coelestinum.** Most beautiful heavenly blue, immense flowers. 20c. each; doz., \$2.00; \$12.00 per 100.

**Gold Medal Hybrids, Mixed.** No finer strain has ever been produced; the plants we offer are a re-selection from a choice collection. 20c. each; doz., \$2.00; \$15.00 per 100.

**Hugo Poortman.** Novelty with enormous flat semi-double flowers well placed on the spike and of a beautiful pale blue color, quite distinct. 50c. each; doz., \$5.00.

**Johannesburg.** Semi-double, delicate sky-blue, with rose sheen; large spikes; free bloomer. 50c. each; doz., \$5.00.

**King of Delphiniums.** Remarkably strong, vigorous plants with flowers of gigantic size, semi-double, deep blue, white eye. 50c. each; doz., \$5.00.

**K. T. Caron.** Bright gentian blue, with white centre; the white eye is very prominent. 35c. each; doz., \$3.50.

**La Martine.** One of the older types of great beauty. The single, dark blue flowers are densely arranged on tall erect stems. It is one of the most decorative of the hardy Larkspurs. 25c. each; doz., \$2.50; \$17.50 per 100.

**Lilacina.** Splendid variety of a rosy-lilac and pale blue; large white centre. 50c. each; doz., \$5.00.

**Lizzie.** Fine, tall, well-branched plant; spikes of single flowers, often 2 inches across; color azure blue, with a distinct yellow eye. 35c. each; doz., \$3.50.

**Michell's New Hybrids, Mixed;** see color plate opposite page ; these are the cream of seedlings from a famous strain of English varieties. 25c. each; doz., \$2.50; \$17.50 per 100.

**Moerheimi.** The first and only real pure white hardy Larkspur. It grows 3 to 4 feet high, and flowers continuously from June until autumn, and produces more spikes on a single plant than any other variety. The flowers are of the purest white. Stock limited. 30c. each; doz., \$3.00; \$20.00 per 100.

**Mrs. J. S. Brunton.** Its beautiful flowers are of the finest sky-blue in the style of "Belladonna" but larger. It does not grow higher than 3 to 4 ft. and produces an immense quantity of long, graceful spikes. 50c. each; doz., \$5.00.

**Mrs. Thompson.** Deep blue flowers, each with a large, white eye. It blooms with wonderful freedom and produces spikes of medium length, with dense flower heads. 25c. each; doz., \$2.50; \$17.50 per 100.

**Nassau.** The flower heads appear all season uninterruptedly, the individual blooms are often 2 inches across; the shade is a clear heavenly blue. The plant grows 4½ to 5 feet high and is very stately. 35c. each; doz., \$3.50; \$25.00 per 100.

**Persimmon.** Of handsome form, with strong erect spikes of large single flowers of a lovely sky blue shade, with a creamy white eye; a real improvement on Belladonna. 35c. each, doz. \$3.50.

**Queen Wilhelmina.** A recent introduction. The gigantic flower spikes are laden with light lavender-blue flowers, shaded rose. A distinct white eye in each floret sets it off wonderfully. 35c. each; doz., \$3.50; \$25.00 per 100.

**Rev. E. Lascelles.** One of the finest Delphiniums with bold spikes and large double flowers with white and blue centre, well placed on the spike. Height, 5 to 6 ft. \$1.00 each.

**The Alake.** The semi-double flowers are very large, the outer petals are intense dark blue, the inner ones violet. The white eye gives a fine set off to this magnificent variety. \$1.00 each.

**Theodora.** The flower is a real azure blue; the individual blossoms are loosely arranged on tall erect spikes; a very fine variety. 25c. each; doz., \$2.50; \$17.50 per 100.

# MICHELL'S HARDY PERENNIAL PLANTS

## ECHINOPS (Globe Thistle)

Handsome plants for the border or wild garden.

**Ritro.** A noble, effective variety for shrubberies and borders, producing handsome blue, globular flowers; valuable for cutting. 3½ feet.

**Ruthenicus.** Interesting and showy, solid round heads of lovely blue flowers, on branching stems. 3 feet.

**Sphaerocephalus.** Large, white flowers, fine for a background; plants growing 5 to 6 feet tall.

Price of any of the above Echinops, 25c. each; doz., \$2.50; \$17.50 per 100.

## EDELWEISS (Gnaphalium)

**Leontopodium Alpinum.** This is a favorite Alpine plant of the Swiss Mountains, and is found growing in abundance everywhere on the Alps. The plant is dwarf, about 4 inches high, with gray foliage, which lies close to the ground, is surmounted with stalks of grayish white, fuzzy flowers of a trilobed appearance. The flowers may be cut as an everlasting, and they will keep indefinitely. This is a splendid plant for a rock garden. 25c. each; doz., \$2.50; \$17.50 per 100.

## EPIMEDIUM (Bishop's Hat)

Dwarf plants, 8 to 10 inches high, with leathery foliage and panicles of small orchid-like flowers. They do well in semi-shade; April-May.

**Alpinum.** Reddish violet.

**Bicolorum.** Red and yellow.

**Niveum.** Pure white.

**Sulphureum.** Sulphur-yellow.

Price of Epimediums, 25c. each; doz., \$2.50; \$17.50 per 100.



Eremurus Robustus

## EREMURUS

When well established these are most stately and beautiful plants. They grow 8 or 10 feet high; require a moist soil, but well drained.

**Himalaicus.** White.

**Robustus.** Peach colored.

Price of Eremurus, \$1.00 each; doz., \$10.00.

## ERIGERON (Flea Bane)

**Grandiflorus Elatior.** Large, bluish lilac flowers with yellow disc; 18 inches; June-July. 20c. each; doz., \$2.00; \$12.00 per 100.

**Intermedium.** Daisy-like light pink flowers; all summer; 2 feet. 25c. each; doz., \$2.50; \$15.00 per 100.

## ERINUS

**Alpinus Carminatus.** A charming Alpine plant; grows in the crevices of rocks or walks; producing dainty sprays of rose-colored flowers.

**Alpinus Albus.** A white flowered form of the above.

Price of above Erinus, 20c. each; doz., \$2.00; \$12.00 per 100.

## ERYNGIUM (Sea Holly)

An ornamental plant, 2 to 3 feet high. Especially valuable for shaded locations or wild garden effects. The flower may be cut and dried for winter bouquets; July-September.

**Amethystinum.** The finely cut foliage and the thistle-like flowers are of amethyst-blue color; highly ornamental.

**Planum.** Light blue.

Price of the above Eryngium, 25c. each; doz., \$2.50; \$17.50 per 100.

## EUPATORIUM

This is an effective plant, which produces fuzz-like flower heads, much resembling Ageratum. Appearing from August till frost. It is fine for cutting.

**Ageratoides (White Snakeroot).** Pure white. 3 to 5 feet, flowering in August and September; a fine native plant.

**Coelestinum.** Light blue, flowering in August; 18 to 24 inches.

**Purpureum Maculatum (Joe Pye Weed).** Flower heads purple to flesh color. 4 to 6 feet.

The above 20c. each; doz., \$2.00; \$12.00 per 100.

## EUPHORBIA (Milkwort)

**Cyparissias.** Handsome perennial with yellow flower trusses; 12 inches high; May. 25c. each; doz., \$2.50.

**Polychroma.** This variety grows about 2 feet high, bearing masses of chrome-yellow flowers in the form of bracts. April-May. 2 feet. 25c. each; doz., \$2.50.

**Corollata.** White flowers with small green eye, in umbels, used like Gypsophila for cutting, and as a bedder in light soil. 18 inches to 3 feet. 25c. each; doz., \$2.50.

## FUNKIA (Plaintain or Day Lily)

These attractive plants make fine effects. Nothing is more handsome in a garden border or a hardy bed edged with the dwarf green and a variegated foliage of the Media Picta variety. Does well in shade.

**Coerulea.** Dark green foliage, with light blue flowers.

**Lanceolata.** Lilac flowers; the latest of all; flowering in September.

Price of above Funkias, 20c. each; doz., \$2.00; \$12.00 per 100.



Funkia

## FUNKIA (Continued)

**Minor Alba.** Dwarf growing variety with white flowers. 12 inches. 25c. each; doz., \$2.50.

**Robusta Elegans Variegata.** The strongest grower among the variegated varieties; large green leaves with white bands.

**Subcordata Grandiflora Alba.** This is a large loose-growing variety, with large blue flowers and broad foliage. 25c. each; doz., \$2.50; \$15.00 per 100.

**Undulata Media Picta.** Green foliage, with distinct white markings. Lavender blue flowers. This is the best of the edging varieties.

Price of Funkias, except where noted, 20c. each; doz., \$2.00; \$12.00 per 100.

## GAILLARDIA (Blanket Flower)

One of the most useful of the hardy flowers. When planted in clumps, beautiful flowers are borne in profusion and make a striking effect. They last a long while as a cut flower, and are abundant from June until frost. Height, about 2 feet.

**Grandiflora.** Dark brown centre, petals on the outer edge are yellow, and the centre is surrounded with a rich orange disc. 20c. each; doz., \$2.00; \$12.00 per 100.

## GALEGA (Goat's Rue)

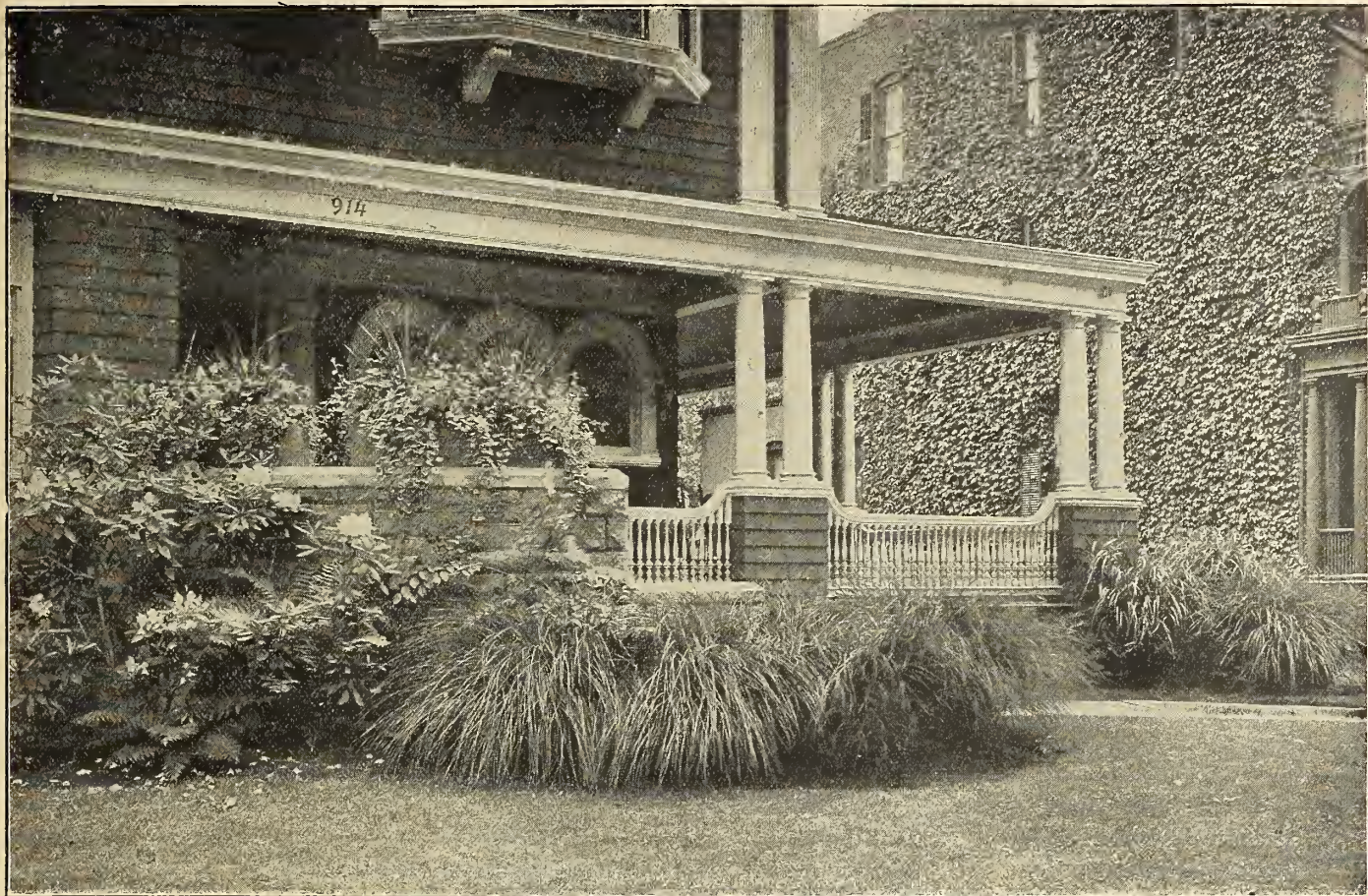
The flowers, which resemble a pea blossom, are borne on long racemes in great abundance. It flowers from July until September; height, 2 feet.

**Hartlandii.** The best of the Galegas. Large, handsome blue and white flowers and variegated foliage. 20c. each; doz., \$2.00; \$12.00 per 100.

## GENTIANA (Gentian)

These are among the most desirable of Alpine plants and are of one of the prettiest shades of blue to be found in the garden.

**Andrewsi (Closed Gentian).** Large terminal and auxiliary clusters of blue flowers, about 2 feet high. July-August. 25c. each; doz., \$2.50; \$17.50 per 100.



A charming effect. Hardy Ornamental Grasses and Hardy Ferns planted in groups.

## HARDY FERNS

Many persons are perplexed to know what is best suited for planting in densely shaded borders, particularly around porches. Nothing in the world produces such a permanent and satisfactory effect as Ferns. The graceful plants grow on an average from 1 to 2 feet high, according to the variety, and the clumps increase in size and beauty each year. They die down in the winter and break forth again in May. They require absolutely no attention after they are planted. In the variety at command very interesting plantings and effects can be made.

- Adiantum Pedatum** (*Hardy Maiden Hair Fern*). 12 inches.
- Aspidium Acrostichoides** (*Wood Fern*). Height 15 inches.
- Aspidium Marginale** (*Evergreen Wood Fern*). 12 to 18 inches.

- Aspidium Cristatum** (*Crested Fern*). 15 to 18 inches.
- Asplenium Felix-foemina**. Height, 12 to 15 inches.
- Aspidium Thelypteris**. 15 to 18 inches.
- Dicksonia Punctilobula** (*Gossamer Fern*). Height, 24 inches.
- Onoclea Sensibilis** (*Sensitive Fern*). 12 to 15 inches.
- Onoclea Struthiopteris** (*Ostrich Fern*). 24 to 30 inches.
- Osmunda Polystriatum**. 15 to 18 inches high.
- Osmunda Cinnamomae** (*Cinnamon Fern*). 24 to 36 inches.
- Osmundi Claytonia** (*Flowering Fern*). Height, 24 inches.
- Osmundi Gracilis**. 24 to 30 inches.
- Osmundi Regalis** (*Royal Fern*). Height, 24 inches.
- Polystichum Vulgaris**. 15 to 18 inches.

All ferns extra strong large plants, 25c. each; doz., \$2.50; \$17.50 per 100.

## ORNAMENTAL HARDY GRASSES

The generous beautiful effect produced by the hardy Grasses is hard to describe. Plantings must be seen to be appreciated. The best results are attained if planted as individual specimens on the lawn or in large beds. They should not be placed in conjunction with other perennials, being a class by themselves.

- Arundo Donax** (*Giant Reed*). Tall variety with bluish-green foliage, frequently attaining a height of 20 feet.
- Arundo Donax Fol. Variegatis**. This variety of Giant Reed has variegated foliage. 35c. each; doz., \$3.50.
- Erianthus Ravennae** (*Plume Grass or Hardy Pampas*). Deep green narrow foliage, growing about 10 feet high.
- Eulalia Gracillima Univittata** (*Japan Rush*). Graceful narrow foliage, growing 5 to 6 feet. Green, with silvery rib.
- Eulalia Japonica Variegata**. An attractive kind with a variation of markings of white, green, sometimes light pink and yellow; 4 to 5 feet high.
- Eulalia Japonica**. Like the variegated variety, except that it is entirely green.

**Eulalia Japonica Zebrina**. Dark green foliage, is crossmarked horizontally a golden yellow. It is one of the best of hardy Grasses for effect. 4 to 5 feet high.

**Gynerium Argenteum** (*Pampas Grass*). This variety in severe climates requires light protection in winter. The silvery flower plumes are indeed handsome. It varies in height from 7 to 10 feet.

**Phalaris Arundinacea Variegata** (*Variegated Ribbon Grass or Gardener's Garter*). This sort is especially suited for edging taller varieties, as it grows somewhat dwarf. The foliage is somewhat broad, variegated white and green. 15c. each; \$1.50 per dozen; per 100, \$10.00.

**Pennisetum Japonicum** (*Hardy Fountain Grass*). One of the most valuable hardy Grasses, either for beds, mixed borders or as individual specimens. Height 4 feet.

**Elymus Glaucus** (*Blue Lime Grass*). A graceful growing type with narrow silvery blue foliage, a dwarf compact grower; suitable for edging tall kinds. Height, 3 feet.

Strong plants of the above hardy Grasses, except where noted, 30c. each; dozen, \$2.50; \$15.00 per 100.

Stronger clumps for immediate effects, 50c. each; dozen, \$5.00; \$30.00 per 100.

# MICHELL'S HARDY PERENNIAL PLANTS



Gaillardia (See Page 132)

## GERANIUM (Crane's Bill)

Good summer flowering plant, suitable for rockeries. Perfectly hardy, thriving in, almost any soil.

**Grandiflora.** Large violet blue; 1 foot.

**Platypetalum.** Large, rosy purple flowers; 18 inches.

**Sanguineum.** Bright crimson; 18 inches.

The above, 20c. each; doz., \$2.00; \$12.00 per 100.

## GEUM (Avens)

Bright, showy flowers, which appear in great abundance in the early summer and fall, growing about 18 inches high.

**Coccinea.** Brilliant rich scarlet. 25c. each; doz., \$2.50.

**Mrs. Bradshaw (New).** Double, bright scarlet; 18 inches. 25c. each; doz., \$2.50.

**Miniatum Perry's Variety.** Rich orange colored; splendid new variety. 50c. each; doz., \$5.00.

## GILLENIA (Bowman's Root)

**Trifoliata.** A spiraea-like plant, with thin flowered stems, graceful foliage and rosy white blooms; 2 feet high; July-August. 25c. each; doz., \$2.50; \$17.50 per 100.



Gypsophila Paniculata Fl. Pl.

## GLECHOMA (Ground Ivy)

**Variegata.** Very useful variegated creeper for growing over banks or for rockeries. 20c. each; doz., \$1.50; \$10.00 per 100.

## GYPSOPHILA (Baby's Breath)

During August and September it is a mass of delicate flowers. These may be used as fresh cut flowers, also for a semi-everlasting effect. They keep perfectly for months without water.

**Cerastioides.** White flowers, marked pink; 3 inches. 20c. each; doz., \$2.00; \$12.00 per 100.

**Paniculata.** Feathery sprays of white flowers; useful for effects in bouquets. 20c. each; doz., \$2.00; \$12.00 per 100.

**Paniculata flore pleno.** This handsome variety produces pretty double pure white flowers. Splendid for bouquets. 30c. each; doz., \$3.00; \$20.00 per 100.

**Repens.** A useful plant for the rockery, with small white flowers; July-August; 25c. each; doz., \$2.50; \$15.00 per 100.

## HELENIUM (Sneezewort)

These desirable perennials succeed in almost any soil in a sunny location. The flowers are splendid for cutting.

**Autumnale Rubrum.** Bright, terra-cotta red; 5 feet.

**Autumnale Superbum.** Massive spreading heads of deep golden yellow flowers; August-October; 5 feet.

**Hoopesi.** Orange yellow; large flowers often 2½ inches across; June-July; 2 feet.

**Pumilum Magnificum.** Golden yellow, with large and perfectly formed flowers; very free; July-August; 18 inches.

**Riverton Beauty.** Rich lemon-yellow with dark purple cone; 4 feet; August.

**Riverton Gem.** Old gold changing to wall-flower red.

Price of Heleniums, 25c. each; doz., \$2.50; \$15.00 per 100.

## HELIANTHEMUM

### (Rock or Sun Rose)

A very pretty family of evergreen plants, covered during May and June with flowers of the most brilliant shades. For dry, sunny locations, also for rockwork.

**Mixed,** all colors. 25c. each; doz., \$2.50; \$17.50 per 100.

## HELIANTHUS (Hardy Sunflower)

Very effective either in borders, among shrubbery or as clumps on the lawn, etc. They produce masses of flowers during summer until frost, which are splendid for cutting and decorative purposes.

**Maximiliana.** The latest of all; blooming profusely in October; the fine golden yellow flowers appear in long, graceful sprays; splendid for cutting; 5 to 7 feet.

**Multiflorus fl. pl.** Large, double golden yellow; July-August; 4 feet.

**Orgyalis.** Golden yellow; small flowered; long, narrow foliage; September; 5 feet.

**Rigidus Miss Mellish.** Semi-double flowers; 4 to 5 inches across; very long petals of golden yellow; good for cutting.

**Rigidus (The Prairie Sunflower).** Flowers golden yellow, smaller than Miss Mellish, but a very useful variety; July till autumn; 5 feet.

Price of the above Helianthus, 20c. each; doz., \$2.00; \$12.00 per 100.

## HELIOPSIS (Orange Sunflower)

**Excelsa.** A tall variety with large double yellow flowers with 4 or 5 rows of florets with fringed tips. 35c. each; doz., \$3.50.

**Grafissima.** Large flowers, 4 or 5 rows of large reflexed florets; ochre yellow; 3 feet. 25c. each; doz., \$2.50; \$17.50 per 100.



Helium

**Pitcheriana.** Very similar to a small sunflower, but flowering earlier; deep golden yellow; June till frost; 3 feet high.

**Scabra Zinniaeflora.** A new double flowering form; somewhat resembling a Zinnia in shape; fine for cutting; July to August; 2 feet.

Price of Helioipsis, except where noted, 20c. each; doz., \$2.00; \$12.00 per 100.

## HELLEBORUS (Christmas Rose)

They flower when practically nothing is in bloom outdoors, actually thrusting their beautiful blossoms through the snow. They succeed almost everywhere, but prefer a sheltered, shaded location. Height, 8 to 10 inches.

**Niger.** Pure white. The best of all Helleborus varieties. 40c. each; doz., \$4.00.

Our Hardy Perennial Plants are extra strong and will give splendid satisfaction.



Helianthus Mult. Fl. Pl.



Hemerocallis Aurantiaca Major

**HEMEROCALLIS (Yellow Day Lily)**  
Lily-like plants, flowering in great profusion during the summer.

**Aurantiaca.** Large, trumpet-shaped, orange yellow flowers; reverse of petals bright Indian yellow; sweet scented. 30c. each; doz., \$3.00; \$20.00 per 100.

**Aurantiaca Major.** Large, orange flowers; one of the best sorts; June-July. 25c. each; doz., \$2.50; \$17.50 per 100.

**Dr. Regal.** One of the finest of the late flowering sorts, producing beautiful rich apricot-colored flowers; 2½ feet. 25c. each; doz., \$2.50; \$17.50 per 100.

**Dumortieri.** Very dwarf, flowering in June; better class. Rich yellow flowers, bronze shaded on the back of petals. 25c. each; doz., \$2.50; \$15.00 per 100.

**Flava.** Light yellow flowers; very fragrant; June and July; 5 feet. 20c. each; doz., \$2.00; \$12.00 per 100.

**Florham.** A strong grower; 3 to 3½ feet high; large trumpet-shaped flowers; rich golden yellow with Indian yellow markings; June-July. 30c. each; doz., \$3.00; \$20.00 per 100.

**Fulva.** Trumpet-shaped flowers, orange colored shaded darker blooms in June and July; 4 to 5 feet. 20c. each; doz., \$2.00; \$12.00 per 100.

**Kwanso Flore Pleno (Double).** Coppery red; July; 3 feet high. 20c. each; doz., \$2.00; \$12.00 per 100.

**Queen of May.** A splendid new variety, attaining a height of 5 feet; its spikes are terminated with from 12 to 18 flowers of a rich Indian yellow color; May to July. 30c. each; doz., \$3.00.

**Sovereign.** Chrome yellow flowers, sometimes 6 to 9 on a stem; very handsome; 2½ feet high. 35c. each; doz., \$3.50; \$25.00 per 100.

**HEPATICA (Liver Leaf)**

**Triloba.** An interesting spring flowering plant, with pretty foliage and beautiful flowers. 25c. each; doz., \$2.50; \$15.00 per 100.

**HERNIERIA (Turk's Herb)**

**Glabra.** Excellent for rockwork, succeeding in the poorest soil; dwarf, moss-like plant with small greenish flowers. The foliage is dark green, turning to red in winter. 25c. each; doz., \$2.50; \$17.50 per 100.

**HESPERIS (Rocket)**

**Matronalis Alba.** A white flowered form of the above.

**Matronalis.** Bushy plants; 3 to 4 feet high, with showy spikes of pink flowers during June and July.

Price of above Hesperis, 20c. each; doz., \$2.00; \$12.00 per 100.

**HEUCHERA (Alum Root)**

Desirable dwarf plant of easy culture. Foliage remains close to the ground. During July and August the graceful thin flower-spikes, 2 feet high, appear in profusion.

**Graecillima Perry's Variety.** Minutely branched panicles of miniature rosy crimson flowers. 2½ to 3 feet. 50c. each; doz., \$5.00.

**Rosea.** Light rose; 2 feet.

**Sanguinea Alba.** Creamy white; 2 feet.

**Sanguinea.** Bright scarlet.

**Zabeliana.** Pale pink; large flowers.

Price of any of the above, except where quoted, 25c. each; doz., \$2.50; \$15.00 per 100.



Hibiscus Crimson Eye

**HIBISCUS (Mallow)**

**Crimson Eye.** Immense blooms of purest white with deep crimson eye. July; 4 feet. 20c. each; doz., \$2.00; \$12.00 per 100.

**Moschentos Roseus.** Large bell-shaped flowers of delicate pink. 20c. each; doz., \$2.00; \$12.00 per 100.

**New Giant Flowering.** A wonderfully improved form of our greatly admired Marsh Mallows. They are unusually attractive and form real show plants during their flowering season. They attain a height of 6 to 7 feet, have beautiful lacinated foliage and monstrous flowers, measuring from 6 to 8 inches in diameter. We offer these in three separate colors. Pink, White, Red. 35c. each; doz., \$3.50; \$25.00 per 100.

**HIERACIUM (Hawkweed)**

**Aurantiacum.** Splendid for rockeries; deep orange; 12 to 18 inches. 20c. each; doz., \$2.00; \$12.00 per 100.

**HOLLYHOCKS**

These thrive best in soil that is not too wet, which should be enriched with well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter with leaves, long

manure or straw. To guard against fungus or rust we recommend spraying the plant in early spring with Pyrox or Bordeaux Mixture.

**Double Canary Yellow Double Pink Double Crimson Double Salmon Double Maroon Double White**

**Double Newport Pink** 25c. each; doz., \$2.50. Separate colors. Hollyhocks as above (except as noted), 20c. each; doz., \$2.00; \$15.00 per 100.

**Double Mixed, Single Mixed, Allegheny Fringed Mixed.** Mixed Hollyhocks as above. 20c. each; doz., \$2.00; \$15.00 per 100.

**HONEYSUCKLE (See Page 149)**

**HOP VINE (See Page 149)**

**HOUSTONIA (Quaker Lady)**

**Coerulea.** A low growing plant, especially suitable for rock work. The foliage is practically hidden in early spring with small but showy little blue flowers. 25c. each; doz., \$2.50; \$15.00 per 100.

**HYDRANGEAS (Climbing)**

(See Page 150)

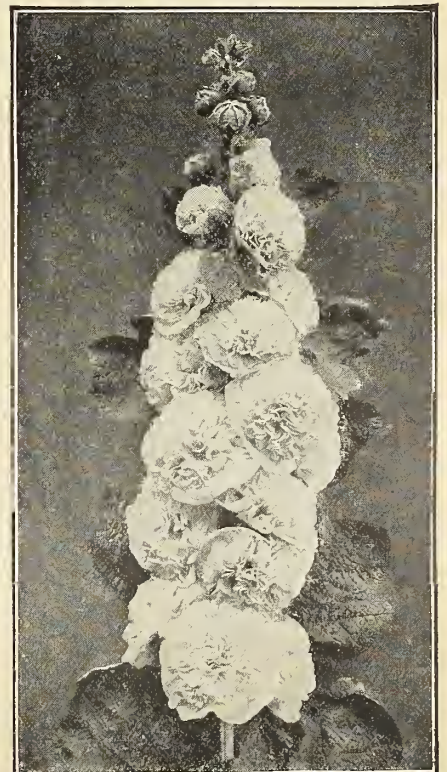
**HYDRANGEAS (See Pages 113 and 153)**

**HYPERICUM (St. John's Wort)**

**Adpressum.** Very useful for covering ground in damp places; 6 to 8 inches high. 25c. each; doz., \$2.50; \$15.00 per 100.

**Moserianum.** A very free-flowering plant for the hardy border; the large flowers, often measuring 2 to 2½ inches across, are of a rich golden yellow color; blooms continuously during the summer; 2 feet. 25c. each; doz., \$2.50; \$12.00 per 100.

**Patulum var. Henryi.** A new variety, growing 3 to 4 feet high; with masses of clear yellow flowers during July and August. 35c. each; doz., \$3.50.



Hollyhocks

# MICHELL'S GERMAN IRIS (Fleur de Lis)

No garden or perennial border is complete without a planting of German Iris; they thrive most anywhere, being absolutely hardy under most all conditions. In May, when the majority of perennials have not come into bloom yet, the Iris Germanica comes out in its full beauty. Our list, which has been kept up to date, has been augmented further with the addition of some very fine new sorts. We grow these in very large quantities. German or "Flag Iris" thrive best in a high, dry soil; when planting observe that the growing part of the crown protrudes from the soil, and only when established should this be covered entirely; most effective when planted in masses either in the hardy border in front of shrubbery or in beds.



A border of German Iris in the spring adds life and charm to the garden

- Dr. Bernice.** Standards coppery bronze, with velvety crimson falls; very large and attractive. 25c. each; doz., \$2.50.  
**Eugene Sue.** Creamy white, spotted and striped purple.  
**Florentina Alba.** Very free blooming white; massing in well with the blues. 25c. each; doz., \$2.50; \$17.50 per 100.  
**Gloire de Hillegom.** Light blue; very fine large flower.  
**Grachus.** Crimson and white, a unique combination.  
**Gypsy Queen.** Lavender-bronze, veined white.  
**Hector.** Standards yellow, with brownish red falls; dashed purple; a unique combination. 25c. each; doz., \$2.50; \$17.50 per 100.  
**Her Majesty.** Lovely rosy lilac. A most beautiful variety. 25c. each; doz., \$2.50.  
**Honorabilis.** Golden yellow, shaded rich bronze.  
**Innocenza.** Pure white; very beautiful.  
**Kharput.** Deep pure blue.  
**Laura.** Lavender standards, white falls; rich, velvety purple. 25c. each; doz., \$2.50.  
**Leonidas.** Clear mauve, changing to rosy mauve; very large.  
**Mad. Chereau.** White, edged blue; one of the best.  
**Mrs. G. Darwin.** White; the upper part of the falls reticulated gold and violet. 25c. each; doz., \$2.50.  
**Mrs. H. Darwin.** White standards; violet blue falls, which are turned over in graceful fashion.  
**Mrs. G. Rueth.** White standard, shaded and veined blue gray. The falls are white. Each, 25c.; \$2.50 per doz.  
**Mrs. Neubronner.** Very deep golden yellow. 25c. each; doz., \$2.50; \$17.50 per 100.  
**Nuce d'Orange.** Tall growing, with smoky, bronze flowers. 25c. each; doz., \$2.50.  
**Ossian.** Straw-yellow standard, with bluish violet falls. 25c. each; doz., \$2.50.  
**Pallida Dalmatica.** Delicate lavender. 30c. each; doz., \$3.00; \$20.00 per 100.  
**Pallida Mandraliseae.** Beautiful rich lavender purple; very large handsome flower. 25c. each; doz., \$2.50; \$17.50 per 100.  
**Pallida foliis variegatis.** Soft pale blue flower; variegated foliage; green, gold and silver. 50c. each; doz., \$5.00.  
**Pallida Speciosa.** Standards dark lavender with light purple falls; free-flowering. 25c. each; doz., \$2.50; \$17.50 per 100.  
**Queen of May.** Light pink; very early.  
**Mixed Varieties.** All colors. 10c. each; doz., \$1.00; \$6.00 per 100.

#### German Iris in Mixture

To those who may have extensive areas to plant, we offer a large surplus of these in fine, strong divisions which will bloom the first year after planting, at the special price of \$40.00 per 1000. Not less than 500 can be supplied at this quotation. The mixture is well balanced in color.



Iris Pumila

Price of any of the above German Iris (except where noted), extra strong roots, 20c. each; doz., \$1.50; \$10.00 per 100.

See description and prices on opposite page

MicHELL's Book on "Hardy Perennials and How to Grow Them," compiled by an expert in hardy plants, contains 48 pages brimful of useful information on these popular subjects, offers suggestions as to the best kinds to plant under various conditions, gives plans for hardy borders, etc. Mailed free. Ask for a copy.

## IRIS KAEMPFERI (Japanese Iris)

The King of all Iris, covering a wide range of color; named sorts can be selected to cover a flowering period of 5 weeks, from the middle of June into July. The flowers, many of them when spread, measure 12 inches across. While they succeed generally in all soils, they delight and thrive best in a deep, rich location.

The names being rather awkward, we have also arranged them under number so they can be ordered more readily.

### No. DOUBLE OR SIX-PETALED VARIETIES

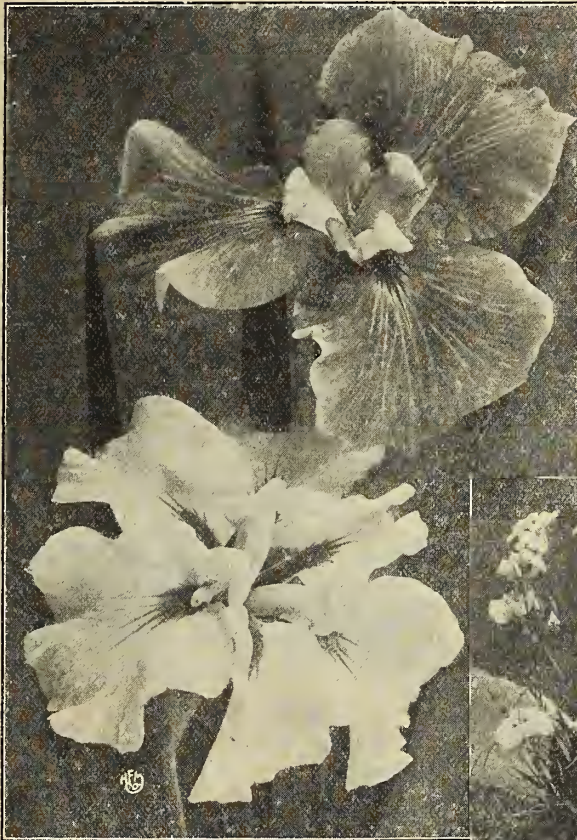
- 10 **Geishoi.** Crimson purple, radiating white lines.
- 12 **Gosetsu-mai.** White veined and traced aniline blue.
- 9 **Ho-O-Jo.** Crimson purple.
- 8 **Mana-zura.** Very large, white with pale blue lines, tufted centre.
- 13 **Onega-Shina.** Royal purple, white veins.
- 14 **Renjo-no-toma.** Frilled petals, white centre, very wide border of pale lavender.
- 6 **Tokyo.** Early, double, pure white.
- 43 **Ushio-no-Komure.** Bright violet, very white veins.

### SINGLE OR THREE-PETALED VARIETIES

- No.
- 30 **Gekko-no-nami.** Early pure white.
- 11 **Kan-ran.** White, lightly suffused with veined rosy violet.
- 21 **Kimi-no-Magumi.** White, densely veined purple.
- 27 **Shippo.** Light lilac, veined purple.
- 28 **Thoraku-no-ko.** Bright reddish purple, marbled white.
- 20 **Yayaura.** White marbled violet.
- 25 **Yomo-zakura.** Light ground color, densely suffused reddish purple.

Any of the above named Japanese Iris, 25c. each; doz., \$2.50; \$15.00 per 100.

Japanese Iris, mixed colors, 20c. each; doz., \$1.50; 100, \$10.00.



Type of Iris Kaempferi



## IRIS PUMILA

The first of the Iris to bloom, resembling in appearance the German variety; the plants are 6 inches high and are ideal when used as an edging for taller varieties or in borders or rockeries; they delight in a fairly dry, high situation, and once planted will increase in numbers.

**Die Braut.** White. 15 inches high; very large and showy.

**Lutea.** Golden yellow. 6 inches high; a fine companion to *Violacea*.

**Violacea.** Dark blue. 6 inches high; fine for rockwork.

Price of any of the above *Iris Pumilas*, 20c. each; doz., \$2.00; \$12.00 per 100.

## IRIS INTERREGNA

An entirely distinct type, being a cross between a German Iris and a shrubby Iris, known as the *Pumila* type. It is medium early to bloom, flowering in between *Iris Pumila* and *Iris Germanica*. Plants grow about 18 inches high and are surmounted with large flower heads, on spikes, which grow well above the foliage; appearing in May.

**Ceres.** Standards and fall pearl white; orange beard.

**Charmant.** Standards, silver white; pearl falls, with deep blue markings.

**Walhalla.** Standards, light blue, violet blue falls; yellow beard.

Price of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

## IRIS SIBIRICA

One of the most elegant of all the Iris groups and among the easiest to grow; has grassy foliage with tall stems, very floriferous and one of the best for cutting.

**Orientalis, Distinction.** Standards violet blue; falls white, veined and tipped blue. 25c. ea.; doz., \$2.50; \$15.00 per 100.

**Orientalis, Snow Queen.** A new white-flowered variety of the type; petals broad and full, of snowy whiteness, and with rich golden yellow blotches. 20c. each; doz., \$1.50; \$10.00 per 100.

**Sibirica Orientalis.** Purplish blue flowers, 3 feet high; splendid variety. 20c. each; doz., \$2.00; \$12.00 per 100.



Iris Interregna "Walhalla"

Plants can be shipped best by express. No plants sent C. O. D.

(ht)

# MICHELL'S HARDY PERENNIAL PLANTS

## IBERIS (Hardy Candytuft)

The Hardy Candytufts are low-growing plants, with evergreen foliage. In spring and early summer they are completely covered with dense heads of pure white flowers. For borders and rockeries they are unsurpassed. *Sempervireus*. Pure white flowers. *Sempervireus Snowflake*. An improved form of the above.

Price of *Iberis*, 20c. each; doz., \$2.00; \$12.00 per 100.

## INCARVILLEA (Hardy Gloxinia)

These plants produce large trumpet-shaped flowers in clusters; they require a slight protection in winter of leaves, straw or long manure; May and June.

*Delavayi*. One of the prettiest perennials. It produces large flowers of a deep pink, much resembling a *Gloxinia*, on stems 18 inches long, and succeeds in either sun or shade.

*Grandiflora*. A great improvement on the older varieties, the flowers being larger and much brighter.

Price of above *Incarvillea*, 25c. each; doz., \$2.50; \$17.50 per 100.

## INULA (Flea Bane)

*Ensifolia*. Dwarf, excellent for borders. Golden yellow; July and August.

*Glandulosa Grandiflora*. A very showy plant with numerous bright golden flowers on long leafy stems; 2 feet; June-August.

*Macrocephala*. Splendid bright yellow.

*Royleana*. Large, handsome, deep yellow flowers; 1½ feet; June-August.

Price of above *Inulas*, 25c. each; doz., \$2.50; \$17.50 per 100.

## IPOMEA (See Page 149)

## IRIS (See Pages 136-137)

## IVY (See Page 148)

## KUDZU VINE (Pueraria)

(See Page 149)



*Liatris Pycnostachia*

## LATHYRUS (Hardy Sweet Peas)

They resemble in every respect a sturdy Sweet Pea. The flowers are produced in dense clusters on a single stem, but, of course, lack the fragrance of the Annual Sweet Peas.

*Latifolius Albus*. Pure white.

*Latifolius Crimson*.

*Latifolius White Pearl*. Giant-flowering; pure white. 30c. each; doz., \$3.00.

*Latifolius Pink Beauty*. Brilliant rose.

Price of *Lathyrus* (except where noted), 20c. each; doz., \$2.00; \$12.00 per 100.

## LAVENDULA (Lavender)

*Vera*. A most valuable perennial, producing large sweet-scented flowers in abundance. 20c. each; doz., \$2.00; \$12.00 per 100.

## LIATRIS (Blazing Star)

Tall flower spikes which loom up over the majority of other perennials; July till September. Very desirable for table decorations.

*Pycnostachia*. Light rosy purple; 4 feet.

*Scariosa*. Deep purple; 3 to 4 feet high.

Price of *Liatris*, 20c. each; doz., \$2.00; \$12.00 per 100.

## LILIES (Hardy) (See Page 115)



Lily of the Valley

## LILY OF THE VALLEY

For outdoor planting in shaded places. Pure white flower bells appear on stems about 8 to 10 inches long in the latter part of May. For outdoor planting the large clumps are best. 30c. each; doz., \$3.00; \$20.00 per 100. Stock cannot be shipped after May 15th.

## LINUM (Flax)

*Perenne*. A useful plant for the border or rockery. Graceful foliage, blue flowers.

*Perenne Alba*. A white flowered form.

Price of *Linums* 20c. each; per doz., \$2.00; \$12.00 per 100.

## LOBELIA

*Cardinalis* (Cardinal Flower). Makes a most delightful showing if planted in front of shrubbery or in the herbaceous border; flowers are a vivid crimson on spikes from 2 to 4 feet high; July-August.

*Syphilitica Hybrida*. Blue and white flowers, produced on long spikes; 2 feet; August-September.

Either of the above *Lobelias*, 20c. each; doz., \$2.00; \$12.00 per 100.



*Lupinus Polyphyllus*

## LUPINUS (Lupins)

These flower in May and June; 3 to 4 feet high. In dry weather water liberally.

*Moerheimi*. A new variety, with gigantic flower spikes, which are a combination of pure pink in light and dark shades. 35c. each; doz., \$3.50.

*Polyphyllus*. Blue. 35c. each; doz., \$3.50. \$2.00 per 100.

## LYCHNIS (Campion)

Of easy culture, making large bushy plants, all of them showy when in bloom. These flower all summer except where noted.

*Chalcedonica*. Heads of brilliant orange scarlet; 2 feet high.

*Chalcedonica Alba*. White; 2 feet high.

*Haageana Hybrida*. Brilliant shades of orange and scarlet, blooming in May and June; height, 12 inches.

*Vespertina Double White*. Large double white flowers; very showy; blooms all summer. 25c. each; doz., \$2.50.

*Viscaria* (Ragged Robin, London Pride). Double red flowers on stalks 15 inches high; very showy; June.

*Viscaria Alba Grandiflora*. Large double white; the evergreen foliage forms a dense tuft; flowers all summer. 50c. each; doz., \$5.00.

*Viscaria Splendens Plena*. Beautiful double white.

Price of any of the above *Lychnis* (except where noted), 20c. each; doz., \$2.00; \$12.00 per 100.

## LYSIMACHIA

*Ciliata* (Fringed Loose Strife). Yellow flowers; 2 feet high; July.

*Clethroides*. An ornamental plant for the hardy border, with a great number of white arched flower spikes. 3 feet high; July-September.

*Nummularia* (Creeping Jenny or Moneywort). Excellent for planting under trees or shrubs where grass will not grow. It forms a dense carpet.

Price of above *Lysimachias*, 20c. each; doz., \$2.00; \$12.00 per 100.



# MICHELL'S HARDY PERENNIAL PLANTS

139

## LYTHRUM (Loose Strife)

Succeeds in most any locality. It is a rank grower, throwing out flower spikes which are 3 to 4 feet high; flowering from July until September.

**Alatum.** Purplish rose; very free bloomer; 3 feet; July-September.

**Roseum Superbum.** Rich rose pink.

**Brightness.** Bright pink; tall erect spikes.

**Rose Queen.** An improvement of the Roseum Superbum, with larger flowers and longer spikes. Price of Lythrum, 25c. each; doz., \$2.50; \$15.00 per 100.

## MATRICARIA (Feverfew)

**Little Gem.** One of the best perennials for cutting, being literally smothered with large button-like pure white flowers, borne in sprays during the entire summer and autumn. Plants, 18 inches high. This is a wonderfully fine plant and should be planted liberally. 20c. each; doz., \$1.50; \$10.00 per 100.

## MERTENSIA (Blue Bells)

**Virginica.** An interesting native plant, with handsome light blue flowers, which appear in May and June. Height, 1 to 1½ feet high. 20c. each; doz., \$2.00; \$12.00 per 100.

## MONARDA (Bergamot)

Showy plants, 2 to 3 feet high, succeeding in any soil or location, flowering during July and August.

**Didyma Cambridge Scarlet (Oswego Tea).** Brilliant scarlet.

**Didyma Salmonea.** Salmon rose. 25c. each; doz., \$2.50; \$17.50 per 100.

**Didyma Violaacea Superba.** Bright amaranth red.

**Fistulosa Alba.** Very showy plant with white flower heads; 2 to 3 feet; July-August.

Price of the above, except where noted, 20c. each; doz., \$2.00; \$12.00 per 100.

## MONTBRETIA (Bulbs)

A beautiful flowering bulb resembling a miniature Gladiolus, absolutely hardy, and only effective if planted in masses from 50 to 100 bulbs in a clump.

**Aurantiaca.** Deep golden yellow.

**Crocsmiaeflora Type.** Scarlet and yellow.



Montbretia

## MONTBRETIA (Continued)

**Etoile de Feu.** Vermilion with yellow centre.

**Germania.** Orange scarlet, very large.

**Pottsii.** Large, orange scarlet.

**Rayon d'Or.** Light yellow, spotted brown.

**Speciosa.** Golden yellow.

Any of the above varieties 6c. each; doz., 60c.; 100, \$4.00.



Myosotis—Alpestris Victoria

## MYOSOTIS (Forget-Me-Not)

These are most effective when intermingled with Pansies, English Daisies or amongst summer-flowering perennials. They bloom usually about the middle of April, and last well into the summer. In extremely severe climates a little covering of straw or manure over the plants will prove beneficial.

**Alpestris Victoria.** A grand variety, with fine heads of clear azure blue flowers; bushy and compact, a fine edging plant.

**Dissitiflora.** Dwarf and compact, with sprays of large, exquisite blue flowers; fine for planting among spring-flowering bulbs.

**Palustris Semperflorens.** An attractive hardy variety; fine for cut-flower purposes; delicate blue.

Price of any of the Myosotis, 15c. each; doz., \$1.50; \$10.00 per 100.

## NIEREMBERGIA (Cup Flower)

**Rivularis.** A handsome Alpine plant of creeping habit; very valuable for rockery. Creamy white, cup-shaped flowers appear in profusion from June until September. 20c. each; doz., \$2.00; \$12.00 per 100.

## OENOTHERA (Evening Primrose)

Commences flowering in June and lasts throughout the season. The plants are about 10 inches high, and suitable for either border or rock garden work.

**Eldorado.** Double golden yellow.

**Fraseri.** Deep yellow; 18 inches high.

**Missouriensis.** Golden yellow; large.

**Speciosa.** Pure white; 18 inches high.

Price of any of the Oenothera, 20c. each; doz., \$2.00; \$12.00 per 100.

## ONONIS

**Hircina.** A creeping, fast growing plant, with pink pea-shaped flowers, appearing in May and June. 25c. each; doz., \$2.50; \$17.50 per 100.

## OROBUS (Bitter Vetch)

This class of plants succeeds in almost any location or soil. Excellent for borders or rockeries, flowering in May and June.

**Lathyroides.** Pea-shaped blue flowers; 1 foot high.

**Superbus.** Purple flowering; 1 foot high.

Price of any of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

## PACHYSANDRA

An evergreen trailing plant, with thick, glossy foliage forming a dense mat; one of the finest ground covers for either sunny or shaded locations.

**Terminalis.** Green; 6 to 8 inches high; small flower spikes of a grayish white, in May and June. 20c. each; doz., \$2.00; \$15.00 per 100.

## PARDANTHUS (Blackberry Lily)

**Sinensis.** Lily-like flowers of bright orange, appearing during July and August, which develop into seed heads, resembling blackberries. July-August. 20c. each; doz., \$2.00; \$12.00 per 100.

## PENSTEMON (Beard Tongue)

It somewhat resembles a Gloxinia, but is longer and narrower. Starts to flower in early summer and lasts until frost.

**Barbata Torreyi.** Brilliant scarlet.

**Barbata Salmonea.** Long panicles of salmon rose flowers. 35c. each; doz., \$3.50.

**Digitalis.** Purplish white flowers with dark purple throat.

**Gloxinioides "Sensation."** Bears spikes of large gloxinia-like flowers in a great variety of bright colors. Blooms until frost.

**Ovatus.** Bright blue, shaded bronzy purple. Price of the above, except as noted, 20c. each; doz., \$2.00; \$12.00 per 100.

## PHYSALIS (Lantern Plant)

**Francheti.** Ornamental variety of the Ground or Winter Cherry. The lantern-like, orange-red fruits are highly interesting; 2 feet high. Price, 20c. each; doz., \$2.00; \$12.00 per 100.



Hardy Phlox (See page 141)

# Michell's Gorgeous Double Paeonies (Roots)



Paeony Candidissima

No disease or insect ever troubles this plant. They delight in a sunny location in deep rich soil. After planting take care to see they are watered regularly until you feel they are established. In planting always take care to see that the crown or top of root is not more than 1 to 2 inches below the surface when covered. The roots are perfectly hardy and once planted remain for years, increasing in size. Roots can be delivered beginning in April or in the autumn beginning in September.

	Each	Dozen
<b>Achille.</b> Beautiful shell-pink, changing to lilac white; splendid variety. Early.....	\$0.25	\$2.50
<b>Agnes Mary Kelway.</b> White tinted rose, cream centre; a very striking flower. Early.....	.25	2.50
<b>Alba Plena.</b> A giant flower of the purest white; very double. Of superb fragrance. Mid-season.....	.25	2.50
<b>Anemoneflora Rubra.</b> Anemone form, having a broad collar; a beautiful dark crimson. Mid-season.....	.25	2.50
<b>Beaute Francaise.</b> Lilac-rose, with a cream white collar; very fragrant. Mid-season.....	.35	3.50
<b>Berlioz.</b> Perfect form. Large magenta rose color; silver tipped. Late.....	.35	3.50
<b>Boule de neige.</b> Very double, pure white; foliage is rich, deep green.....	.50	5.00
<b>Candidissima.</b> Creamy white, with a clear, sulphur-yellow centre. Early.....	.30	3.00
<b>Carnea Elegans.</b> Of a clear flesh color, glossy reflex. A free bloomer. Mid-season.....	.35	3.50
<b>Charlemagne.</b> Excellent variety. Lilac, white, with a light pink centre. Fragrant. Late.....	.30	3.00
<b>Clarisse.</b> Beautiful rose pink, with silvery pink centre; fine form and habit. Mid-season.....	.25	2.50
<b>Couronne d'Or.</b> Snowy white, with yellow reflex and deep pink edges on a few petals. Late.....	.50	5.00
<b>Delachi.</b> Large flowers of a deep purple color, free bloomer. Late.....	.30	3.00
<b>Delicatissima.</b> Pale lilac rose, free habit; fragrant. Mid-season.....	.30	3.00
<b>Duc de Cazes.</b> Bright pink, silvery reflex. Early.....	.25	2.50
<b>Duc de Wellington.</b> Large, sulphur-white flower of great fragrance and with long stems. Late.....	.35	3.50
<b>Duchesse de Nemours.</b> Pure white, with a sulphur-white centre; very early and extra fine. Early.....	.25	2.50
<b>Dr. Bretonneau.</b> Lilac rose with cream white centre, flecked crimson. Mid-season.....	.30	3.00
<b>Edulis Superba.</b> Beautiful shaped flower of a bright mauve pink color, with narrow edges of lilac. One of the best early sorts.....	.30	3.00

	Each	Dozen
<b>Eugenie Verdier.</b> Giant globe-shaped flower of a soft pink color. Mid-season.....	\$0.50	\$5.00
<b>Faust.</b> Delicate flesh pink, with salmon centre. Mid-season.....	.25	2.50
<b>Felix Crousse.</b> Large bright red flowers on long stems. Mid-season.....	.50	5.00
<b>Festiva.</b> Large, full type, creamy white with crimson spots. Late bloomer.....	.50	5.00
<b>Festiva Maxima.</b> Beautifully shaped flower, 7 to 8 inches in diameter. Pure white, splashed red. Late.....	.40	4.00
<b>General MacMahon.</b> Large anemone-shaped flower of a deep violet color. Mid-season.....	.50	5.00
<b>Grandiflora Rosea.</b> Full globe-shaped flower, light softerino red petals, salmon centre. Mid-season.....	.25	2.50
<b>Lady Bramwell.</b> Delicate silvery pink. Mid-season.....	.25	2.50
<b>La Perle.</b> Very large; globular; deep lilac white, blush centre prominently flecked carmine; fragrant.....	.50	5.00
<b>La Rosiere.</b> Imbricated petals of yellowish white with straw yellow centre. Mid-season.....	.35	3.50
<b>L'Eclatante.</b> Large globular flower of brilliant red color; very good variety. Mid-season.....	.25	2.50
<b>L'Indispensable.</b> Perfect shaped flower of a delicate creamy color, shaded pink. Mid-season.....	.50	5.00
<b>Louis Van Houtte.</b> A rich shade of crimson maroon, an exceptionally fine large flower. Late.....	.25	2.50
<b>Marie Lemoine.</b> Very large, compact flowers of lasting qualities. Delicate white rose, with a creamy centre.....	.50	5.00
<b>Meissonier.</b> Loose reddish purple flowers on tall stems. Very fragrant. Mid-season.....	.35	3.50
<b>Mme. Calot.</b> Pale hydrangea pink, centre shaded darker; collar tinted silver; free bloomer.....	.50	5.00
<b>Mme. Forel.</b> Late desirable sort. Very large compact flowers of a beautiful shade of light pink, with a silvery tipped centre. Late.....	.50	5.00
<b>Mme. Leonie Calot.</b> Delicate rosy white, centre petals slightly tipped carmine. Mid-season.....	.50	5.00
<b>Mons. Chas. Leveque.</b> Rosy white, tipped carmine.....	.30	3.00
<b>Mons. Krelage.</b> Grand flowers of a dark pink color. Large and compact. Late.....	.50	5.00
<b>Officialis Alba.</b> Double white. Very early.....	\$0.30	\$3.00
<b>Officialis Rosea.</b> Double pink. Very early.....	.30	3.00
<b>Officialis Rubra.</b> Double red. Very early.....	.30	3.00
<b>Queen Victoria.</b> Pure white; cream centre. Mid-season.....	.25	2.50
<b>Victor Hugo.</b> One of the very best of red paeonies. Brilliant carmine red. Unsurpassed for cutting.....	.50	5.00
<b>Washington.</b> Carmine, with lighter collar, tipped silvery; very fragrant. Mid-season.....	.50	5.00
<b>Zoe Calot.</b> Pure white; suffused rose. Mid-season.....	.25	2.50

## DOUBLE TREE PAEONIES

These very beautiful and free-flowering paeonies deserve to be included in every collection. They are from 2 to 3 weeks earlier than any other variety and the flowers, often measuring a foot in diameter, include every shade from white and softest pink to the most brilliant scarlet and purple.

**Japanese Tree Paeonies** are usually grafted on Paeonia Moutan roots; and it is suggested that all side shoots, or suckers, be taken off, so the true or real type only will develop; otherwise, the Paeonies will act as do Roses that are budded on briar.

**Abraham Lincoln.** Deep velvety amaranth; very double.  
**Beauty de Cologne.** Salmon rose, suffused flesh colored.  
**Bijou de Chusan.** Pure white, yellow centre, semi-double.  
**Confucius.** A beautiful shade of purplish scarlet, single.  
**Etna.** Brilliant fiery red.

**Jeanne d'Arc.** Very large, salmon rose with dark centre, single.  
**Lambertiana.** Pure white, suffused with delicate rose.  
**Louise Monchelet.** Beautiful silvery rose; extra large flower.  
**Queen of Belgians.** Blush shaded salmon rose. Splendid sort.  
**Rosea Superba.** Salmon rose; semi-double. Beautiful.

Any of the above varieties, extra strong plants, \$1.25 each; per dozen, \$12.00 (or 1 each of the above 10 varieties for \$10.00).

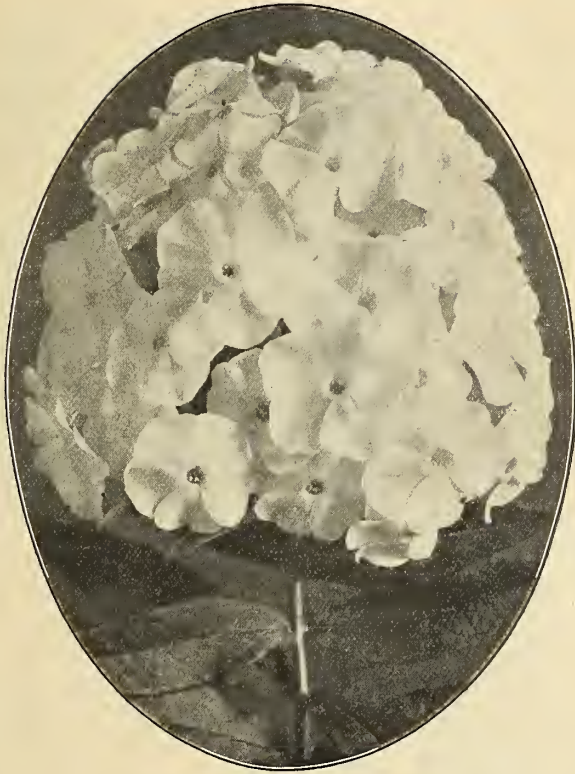
## PAEONIA TENUIFOLIA Flore Plena

An early flowering species with fern-like foliage and double deep crimson flowers, a shade like the Jack Rose; this is undoubtedly one of the most attractive paeonies in cultivation, excellent for massing or planting individually in the herbaceous border, blooming very early in May, makes an exceedingly attractive plant. Each, 30c.; per dozen, \$3.00; \$20.00 per 100.

## PAEONIAS TO COLOR

	Each	Dozen	100
<b>Double Red.</b> Large roots.....	\$0.25	\$2.50	\$15.00
<b>Double Pink.</b> Large roots.....	.25	2.50	15.00
<b>Double White.</b> Large roots.....	.25	2.50	15.00

# Michell's Superb Hardy Phloxes



Hardy Phlox Elizabeth Campbell

The most effective border plants during August and September. They succeed in almost any soil enriched with manure. In partial shade the flowers last much longer than when grown in the full sun. If the first spikes of bloom are removed as soon as over, and the plants given a good soaking of water, they will produce a second supply of flowers, thus continuing until late in autumn. The varieties we offer represent the finest of the existing Hardy Phloxes.

- Africa.** Rich royal purple, suffused crimson. This shade in phlox is much in demand. 25c. each; doz., \$2.50; \$17.50 per 100.
- Asia.** Rich shade of mauve. Color entirely distinct; must be seen to be appreciated. 25c. each; doz., \$2.50; \$17.50 per 100.
- Baron von Dedem.** Deep pink, suffused orange; immense trusses.
- B. Comte.** Brilliant rich purple; a distinct shade; the flower heads are very compact and attractive.
- Braga.** Rich lilac rose, immense trusses of great beauty. One of the best in its color. 25c. each; doz., \$2.50; \$17.50 per 100.
- Crepuscule (New).** Very large flowers, shading from a deep crimson centre, through rose lilac to a white edge; a beautiful blending of colors. 25c. each; doz., \$2.50; 100, \$17.50.
- Eclairer.** Carmine with rosy-salmon centre, very white star.
- Electra.** A brilliant red, with a darker shade; one of the very best. 50c. each; doz., \$5.00.
- Elizabeth Campbell.** Identical in shade of color with Mrs. John Laing Rose; delicate, refreshing pink with a white eye. 20c. each; doz., \$2.00; \$15.00 per 100.
- Eugene Dauzanvilliers.** Delicate lavender; very attractive and decorative color; immense flowers. The peer of its color.
- Europa.** Blush white, with a large deep pink centre, making it a very showy combination. Very new and the best in its class; the flower truss is very large, while the florets are also of gigantic size.
- Fantasy.** (Suffr.) Rosy mauve. 25c. each; doz., \$2.50; \$15.00 per 100.
- Frau Anton Buchner.** Very large pure white flower truss with gigantic individual florets. It makes a fine edging for a bed of Hardy Phlox, being of a very dwarf nature. 25c. each; \$2.50 doz.; \$17.50 per 100.
- Frithjof.** Light violet, without eye. The trusses are very large, while the florets are also of exceptional size. Very recommendable variety. 50c. each; doz., \$5.00.
- Gefion.** Lovely peach blossom pink, with a distinct bright rose eye. The flower trusses are very large and compact. 30c. each; doz., \$3.00; \$20.00 per 100.

- General von Heutz.** This produces immense trusses of enormous flowers, which are of a delicate salmon scarlet, surrounded with a lavender eye, which is edged white.
- Goliath.** A distinct variety of attractive appearance; a tall grower, attaining a height of 3 feet. The flower trusses are large and of a bright cerise color with deep eye.
- Grideur.** Soft rosy mauve, heavily suffused and overlaid with a lovely deep shade of cerise, giving the whole a beautiful mottled appearance. 25c. each; doz., \$2.50; \$17.50 per 100.
- Hervor.** Soft rich pink, with a white eye. 25c. each; doz., \$2.50; \$17.50 per 100.
- Indian Chief.** (Suffr.) Dark purple. 25c. each; doz., \$2.50; \$15.00 per 100.
- Iris.** This is a variety of rare merit, and whether grown in masses or as a single specimen, the color will immediately arrest the eye. It is a deep reddish violet, of compact erect habit with flower trusses that rival any others for size. 25c. each; doz., \$2.50; \$17.50 per 100.
- Jeanne d'Arc.** One of the latest white flowering, and for this reason should be included in every collection.
- Jules Sandeau.** (New.) Dwarf; very large flowering; pure pink; extra fine variety and free bloomer. 50c. each; doz., \$5.00.
- Le Mahdi.** Of the shades of blue offered to-day, there are many which approach magenta; for this reason we highly recommend this sort, which is a royal deep purple.
- Lofna.** (New.) A beautiful variety with fine rosy lilac flowers about 2 inches across. A splendid novelty. 50c. each; doz., \$5.00.
- Loki.** A splendid salmon-pink, with a carmine eye; a shade darker than Elizabeth Campbell. 30c. each; doz., \$3.00.
- Madame Paul Dutrie.** Delicate soft pink, resembles a delicate orchid. The flower trusses are enormous.
- Matador.** Cherry red, crimson eye; dark foliage.
- Minerva.** Lilac rose, marked with white, with a bright carmine eye; showy spikes; very compact. 50c. each; doz., \$5.00.
- Miss Lingard.** (Suffr.) White, lilac eye. 25c. each; doz., \$2.50; \$15.00 per 100.
- Montagnard.** Dark purple claret; large spikes and flowers.
- Mrs. Greenlees.** (Suffr.) White, rosy centre. 25c. each; doz., \$2.50; \$15.00 per 100.
- Mrs. Jenkins.** Of medium height, with immense clusters of pure white flowers; very effective when planted in masses.
- Professor Virchow.** Bright carmine, shaded orange red. 25c. each; doz., \$2.50; \$17.50 per 100.
- Rheinlander.** Deep salmon pink, with a distinct bright red eye. The plant is of a vigorous, branching habit and flowers with wonderful freedom. It is very early and lasts well into the season. The trusses are of gigantic size and of fine form and substance. 20c. each; doz., \$2.00; \$15.00 per 100.
- Rheinstrom.** A splendid new phlox with gigantic flowers of a bright pink. Quite tall, flowers early and continues in bloom till frost; a grand variety. 25c. each; doz., \$2.50; \$17.50 per 100.
- Rosamuudi.** A distinct variety of very attractive appearance. Produces immense trusses of enormous flowers of a beautiful soft rose color. 25c. each; doz., \$2.50; \$17.50 per 100.
- R. P. Struthers.** Deep salmon pink, dark centre, very large.
- Tapis Blanc.** (New.) Undoubtedly the best semi-dwarf pure white. The flower panicles are of immense size. It flowers early and continues until late in the autumn. It is of the best of the recent introductions. 25c. each; doz., \$2.50; \$17.50 per 100.
- Thor.** A much deeper color than the popular Elizabeth Campbell. Deep salmon pink, suffused with scarlet; a white halo surrounds the aniline red eye. 30c. each; doz., \$3.00; \$20.00 per 100.
- Von Lassburg.** The Queen of all clear white phloxes; trusses and single flowers are immense in size. As the plant is rather dwarf, it should always be planted in the foreground.
- W. C. Egan.** One of the prettiest in our entire collection, the color being a pale lilac with an intense solferino-red eye. It is of medium height and of branching habit, which means a free bloomer. A grand variety for the border. 20c. each; doz., \$2.00; \$15.00 per 100.
- Wanadis.** Flowers mottled white and light violet. Enormous flower trusses, which appear early. 30c. each; doz., \$3.00.
- Widar.** Light red, somewhat shaded violet. Each flower has a distinct white centre, which tends toward making the flower truss exceptionally showy. A free-flowering, attractive variety, which should be in every collection of Phloxes.

Price of all Phlox (except where noted). 15c. each; doz., \$1.50; \$10.00 per 100.

## PHLOX SUFFRUTICOSA

These differ from the others in that the foliage and stem are deep green and glossy, and they begin to blossom in June and remain in bloom until October. These are listed in regular alphabetical order above, marked thus (Suffr.) after the name. Price of these varieties is 25c. each; doz., \$2.50; \$15.00 per 100.

# MICHELL'S HARDY PERENNIAL PLANTS



*Phlox Divaricata*

## PHLOX ARENSDI

A new dwarf class, from 12 to 24 inches high. The plants are of vigorous, branching habit and continue to flower from the latter part of May until the end of July.

**Amanda.** 12 inches high; delicate lilac with deeper centre.

**Charlotte.** 18 to 24 inches high; pale lilac shaded pink, dark eye.

**Grete.** Very branching habit; 20 inches high; flowers pure white.

**Kathe.** 20 inches high; flowers purplish rose with dark eye.

**Louise.** 2 feet high; strong grower; light lilac with a carmine eye.

Price of any of the above *Phlox Arensdi*, 25c. each; doz., \$2.50; \$17.50 per 100.

## PHLOX (Miscellaneous)

**Amoena.** A beautiful plant, with soft rose-colored flowers; one of the best for rocky or borders; 4 inches high; April-May.

**Divaricata Canadensis.** A patch of these makes a spring show hard to describe. The large heads of fragrant lavender flowers appear the latter part of April and in May.

**Divaricata Alba Grandiflora.** A white-flowered form of the above.

**Ovata Carolina (Mountain Phlox).** A handsome evergreen species of dwarf habit, with masses of rosy pink flowers; 10-12 inches; May and June.

**Pilosa Splendens.** One of the most beautiful spring-flowering Phloxes. Grows about 15 inches high and produces an abundance of lilac rose flowers, forming a regular pillar. 35c. each; doz., \$3.50.

**Subulata Rosea (Moss Pink).** Moss evergreen-like foliage, tucking close to the ground and covered completely with pink star-like flowers in May. 15c. each; doz., \$1.50; \$10.00 per 100.

**Subulata Alba.** The same as *Rosea*, with pure white flowers. 15c. each; doz., \$1.50; \$10.00 per 100.

**Subulata Lilacina.** Lilac. 15c. each; doz., \$1.50; \$10.00 per 100.

Price of any of the above Miscellaneous *Phlox* (except as noted), 20c. each; doz., \$2.00; \$12.00 per 100.

## PHLOX DECUSSATA

(See Page 141)

## PHYSOSTEGIA (False Dragon Head)

Attractive perennials, blooming July and August; 3 to 4 feet high; throwing up spikes decked with delicate tube-shaped flowers, somewhat resembling a large flowering heather.

**Virginica.** Delicate soft pink.

**Virginica Alba.** Pure white.

**Speciosa.**

Price of either of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

## PINKS, HARDY GARDEN (Double)

These old-fashioned favorites, bearing their clove-scented flowers during the spring and early summer, are absolutely perfect as an edging or as cut flowers.

**Carmen.** A fine early light pink.

**Her Majesty.** One of the best; pure white.

**Homer.** Rosy-red, with dark centre. 25c.

each; doz., \$2.50; \$17.50 per 100.

**Juliette.** White, bordered crimson.

**White Reserve.** Flowers the entire summer; pure white.

Price of any of the above hardy garden pinks (except where noted), 20c. each; doz., \$2.00; \$12.00 per 100.

## PLATYCODON (Japanese Bell Flower)

Very useful for cutting, and with a very long flowering season, lasting from June until October. Height, 2 to 3 feet.

**Grandiflorum.** Beautiful blue; very handsome.

**Grandiflorum Album.** Identical with the above, except the color, which is pure white.

**Mariesi.** Dwarf; compact; beautiful blue.

Price of either of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

## PLUMBAGO (Leadwort)

**Larpentae.** A dwarf spreading plant, splendid for rock garden and for edging hardy borders. During summer and fall months it is covered with rich deep blue flowers. 20c. each; doz., \$2.00; \$12.00 per 100.



Poppy—Oriental King

## POLEMONIUM (Jacob's Ladder)

Handsome border plants, about 1 foot high, succeeding best in a semi-shaded location. June-Sept.

**Richardsoni.** Sky blue with golden anthers.

**Richardsoni Alba.** A white form of the above.

Price of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

## ICELAND POPPIES

The graceful foliage is surmounted with a mass of stems a foot high, which terminate in a beautiful cup-shaped flower. Flowers continuously the entire summer.

**Orange King (Orange Yellow).**

**White. Yellow. Mixed Colors.**

Any of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

## ORIENTAL POPPIES (Papaver)

The gorgeous colored flowers of the Oriental type make a rich, brilliant show. These bloom usually in July. After the flowering period the plants have a tendency to take on the appearance as if they were dead. But they return to vigor usually as soon as the weather becomes cool.

**Lady Frederick Moore.** Clear salmon pink with conspicuous black spot on the base of each petal. Enormous size. 35c. each; doz., \$3.50.

**Goliath.** One of the most effective, large flowers of a rich scarlet; the largest flowered of this class.

**Lightness.** A beautiful sort of Princess Victoria Louise, being white at the centre upwards the middle of the petal, changing to a fine pale salmon. 35c. each; \$3.50 per dozen.

**Mahony.** Crimson maroon, shaded mahogany.

**Marie Studholme.** Salmon, shaded silver.

**Mrs. Perry.** Soft salmon rose.

**Muriel Russel.** An improved Perry's White. 35c. each; doz., \$3.50.

**Oriental King.** Crimson scarlet flowers, with strong stems. 35c. each; doz., \$3.50.

**Perry's White.** Pure satiny white with a bold crimson blotch at the base of each petal. 35c. each; doz., \$3.50.

**Princess Victoria Louise.** Beautiful shade of salmon pink.

Price of any of the above Oriental Poppies (except where noted), 25c. each; doz., \$2.50; \$17.50 per 100.

## POLYGONUM (Knot Weed)

**Compactum.** This variety is covered with white flowers during August and September; 15 inches.

**Cuspidatum.** Grows 5 to 7 feet high, and produces in the autumn long, drooping clusters of white flowers; fine for planting with shrubbery.

Price of the above Polygonums, 20c. each; doz., \$2.00; \$12.00 per 100.

## POTENTILLA (Five Fingers)

Handsome plants, with brilliant flowers, which appear in great profusion from June until August. They do well in any soil; 18 inches high.

**Atrosanguines Gibsons Scarlet.** Fine brilliant scarlet single flowers; plant of branching habit; covered with bloom from June to autumn.

**Formosa.** Fiery orange, with light yellow.

**Hoopwoodiana.** Dark-red, shaded yellow. Price of Potentillas, 25c. each; doz., \$2.50; \$17.50 per 100.

## POTERIUM

**Obtusatum.** A gem for the border, with bright dark pink flowers of graceful feathery appearance. Blooms continually from beginning of July until September. 75c. each; doz., \$7.50.

# MICHELL'S HARDY PERENNIAL PLANTS

143

## PYRETHRUM

This is one of the handsoem perennial flowers in cultivation today. The large daisy-like blooms appear as early as June and continue in abundance continuously until September. They delight in a rich soil with a natural drainage. They thrive best in the full sunlight. As the flowers die, the old stems should be cut off to encourage new blooms.

**Uliginosum.** Single giant white. 25c. each; doz., \$2.50; \$15.00 per 100.

**Uliginosum Stellata.** A greatly improved form of the Uliginosum. The flowers of this Giant Daisy are immense and of the purest white, with long narrow petals, which give it a refined appearance. 25c. each; doz., \$2.50; \$15.00 per 100.

**Single Flowering in choicest mixture.** Embraces deep red, shades of rose and pink to pure white. Strong flowering plants. 25c. each; doz., \$2.50; \$15.00 per 100.

**Double Flowering.** Choice named varieties in crimson, rose, white tinted lilac and pure white. 35c. each; doz., \$3.50.

## RUDBECKIA (Continued)

**Purpurea Tubiflora.** Large flowers of brilliant red; petals are formed in a long tube and open gradually. The clusters of flowers are carried on strong stems about 3 feet high. 35c. each; doz., \$3.50.

**Autumn Sun.** A splendid single flowering sort; very showy. It has long, broad petals of a bright primrose yellow; 5 to 6 feet high; flowers from August to October.

**Rays of Gold.** An improved form of the well-known Golden Glow. The flowers have the same golden color, but have narrow petals, which form a perfect globe.

Price of above Rudbeckias (except where noted), 20c. each; doz., \$2.00; \$12.00 per 100.

## SALVIA (Meadow Sage)

**Azurea.** The plant is covered with a mass of rich skyblue flowers, commencing in July and lasting until September; about 3 feet tall.

**Virgata Nemorosa.** This splendid new variety grows into a shapely dense bush form, above which tower the flower spikes, decked with many deep blue blossoms. Blooms continuously from July to September; 2½ feet.

**Greggii.** Cerise crimson; 2½ to 3 feet. Blooms the entire summer and is quite hardy.

**Uliginosa.** A beautiful late sort of an attractive shade of blue with a distinct white eye. The plant is of upright habit, branching, and grows about 5 feet high. It blooms freely and flowers practically at every axil.

**Piteheri.** Similar to the Azurea, but of more branching habit; the flowers are very large and of a deep blue color; 3 feet high. July-September.

Price of above Salvias, 25c. each; doz., \$2.50; \$15.00 per 100.



Primula Veris

## PRIMULA (Hardy Primrose)

One of the first of the early spring flowers which delight in a rich soil, preferably in a semi-shaded location. Some of the varieties are richly colored, and are worthy of a place in every hardy garden. As a hardy border edging, as well as for rockery planting, it can be highly recommended.

**Acaulis Alba Plena.** Double white. 25c. each; doz., \$2.50.

**Acaulis Lilac.** Very early and prolific. 25c. each; doz., \$2.50.

**Auricula.** A mixture of brilliant shades of red and yellow, of seed saved from the finest strains. 20c. each; doz., \$1.50; \$10.00 per 100.

**Vulgaris (English Primrose).** Canary yellow. 20c. each; doz., \$2.00; \$12.00 per 100.

**Vulgaris Coerulea.** Light blue. 20c. each; doz., \$1.50; \$10.00 per 100.

**Veris Superba.** A giant flowered form of Primula Veris, golden yellow. 20c. each; doz., \$2.00; \$12.50 per 100.

**Veris (English Cowslip).** A mixture, covering various shades of red and yellow. 20c. each; doz., \$1.50; \$10.00 per 100.

## PRIMULA POLYANTHUS

**New Hybrids mixed.** Our Giant strain of these beautiful hardy Primula is unsurpassed. It comprises the finest varieties in crimson, yellow, golden laced, etc., in magnificent mixture.

**Gold-laced.** Yellow and orange.

**Giant Yellow.** Pure Canary yellow.

**Giant Crimson.** Yellow with crimson band.

Price of any of the above, 20c. each; doz., \$1.50; \$10.00 per 100.

## PRUNELLA

**Grandiflora.** Dwarf growing plant, suitable for shady places and rockery work. Blooms continuously all summer. Purple flowers. 25c. each; doz., \$2.50; \$17.50 per 100.

## PULMONARIA (Lungwort)

**Angustifolia Azurea (Blue Cowslip).** This is the prettiest of the blue varieties; grows about 12 inches high and is one of the first to flower in spring. 25c. each; doz., \$2.50; \$17.50 per 100.

**Saccarata Maculata.** A beautiful plant of easiest culture; foliage dark green, variegated silvery gray. Grows 1 foot high; flowers pink, changing to blue. 25c. each; doz., \$2.50.



Double Pyrethrum

## RANUNCULUS (Buttercup)

**Acris Fl. Pl.** A dainty double sort with yellow, button-like flowers; 2 feet. 20c. each; doz., \$2.00; \$12.00 per 100.

## RUDBECKIA (Cone Flower)

A variety of these will furnish a supply of cut flowers from early July until September. They are extremely hardy, doing well with every one. They could be termed "a city garden perennial," doing so well with little attention.

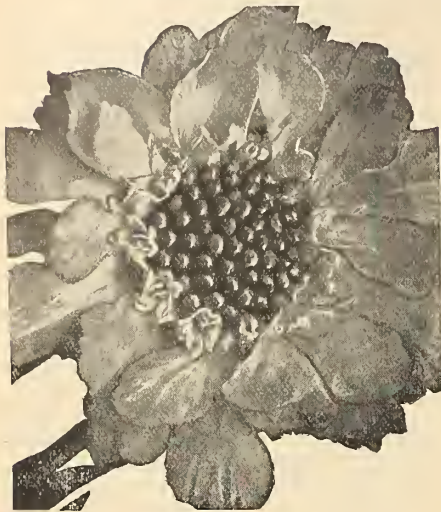
**Golden Glow.** Double canary yellow; 6 feet. Flowers in August. 20c. each; doz., \$2.00; \$12.00 per 100.

**Purpurea (Giant Purple Cone Flower).** The flowers remain in perfect condition on the plants for weeks at a time. Flowers from July to September; 2½ feet high. 20c. each; doz., \$2.00; \$12.00 per 100.



Rudbeckia Golden Glove

# MICHELL'S HARDY PERENNIAL PLANTS



*Scabiosa Caucasia*

## SAPONARIA (Soap Wort)

**Caucasica.** Double white, tinted rose, flowering all summer; 15 inches high.

**Ocymoides.** A splendid plant for rock work, growing only 9 in. high. Covered through the whole summer with masses of small, brilliant pink flowers.

Either of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

## SAXIFRAGA

These are exceedingly valuable for the front of the border of shrubbery, also for rockeries. The plants form masses of handsome deep green foliage and the flowers appear very early in spring, as soon as the frost is out of the ground; they will thrive in any kind of soil and in any location; 1 foot high.

**Cordifolia.** Light pink, red.

**Croesus.** Red.

**Delia.** Crimson purple.

**Stracheyi Alba.** White.

Price of Saxifragas, 25c. each; doz., \$2.50.

## SCABIOSA

The hardy variety is even more wonderful and of greater beauty than the annual sort, commonly called Mourning Bride. The flowers are gigantic, measuring frequently 3 inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal. It lasts a long while in water. The average height is about 2½ feet. Very free flowering.

**Caucasica.** A delicate shade of lavender blue, starting in flower in June and lasting well through the summer.

**Caucasica Alba.** White. Like the above, except the color.

**Lutea Gigantea.** Sulphur yellow. 6 ft. July-August.

Price of Scabiosas, 25c. each; doz., \$2.50; \$15.00 per 100.

**SCHIZOPHRAGMA** (See page 150)

## SCUTELLARIA

**Coelestinum.** A dwarf spreading Alpine plant, with bright blue flowers; splendid for rockeries; July-August. 20c. each; doz., \$2.00; \$12.00 per 100.

## SEDUM (Stonecrop)

**Acre.** The foliage of this is a distinct attraction in itself, being of a yellowish green shade. For covering rockeries, in borders or beds on cemetery lots it is indispensable. The flower, which appears in July, is bright yellow and lasts on the plant a long while; height, 6 inches.

**Album.** Green foliage, white flowers; height, 6 inches.

**Sexangulare (Love'en'tangle).** Dark green foliage; yellow flowers; 6 inches.

**Sieboldii.** Roundish foliage, with a blue cast; the flowers, which appear in August and September, are bright pink.

**Spectabilis.** This variety grows about 18 inches and flowers in June; foliage light green, immense heads of pink flowers. 25c. each; doz., \$2.50; \$17.50 per 100.

**Spectabilis Brilliant.** One of the prettiest tall growing species, reaching a height of about 18 inches; broad light green foliage and richly colored flowers of amaranth red. September-October. 25c. each; doz., \$2.50; 100, \$17.50.

Price of any of the above, except where noted, 20c. each; doz., \$2.00; \$12.00 per 100.



*Spiraea Aruncus*

## SENECIO (Groundsel)

**Clivorum.** A very effective plant with large green foliage and loose branching heads of bright yellow flowers; 3 to 5 feet high. Good for low, damp locations. 25c. each; doz., \$2.50; \$17.50 per 100.

**Pulcher.** Brilliant rosy purple flowering on stems. 2 feet high. 25c. each; doz., \$2.50.

**Wilsonianus.** A new species from China, bearing immense branching panicles of golden yellow flowers. 50c. each; doz., \$5.00.

## SHASTA DAISY

(See Chrysanthemum, page 127)

## SILENE (Catchfly)

Charming Alpine plants, in bloom from spring until fall; fine for rockeries.

**Alpestris.** Star-shaped white flowers on slender stems; 6 inches.

**Schaffa.** Rosy purple; 4 inches high; July to October.

Price of above Silenes, 20c. each; doz., \$2.00; \$12.00 per 100.

## SOLIDAGO (Golden Rod)

**Canadensis.** Our native Golden Rod; deep yellow flowers in August and September; 4 feet.

**Golden Wings.** The finest of the Golden Rods; very showy; 5 feet high, with immense panicles of bright golden yellow flowers from July to September.

Price of Solidagos, 20c. each; doz., \$2.00; \$12.00 per 100.

## SPIRAEA (Drop Wort)

Graceful border plants with feathery plumes of flowers; specially adapted for shady positions.

**Aruncus.** A majestic plant, growing 4 to 6 feet high; large plummy foliage and massive plumes of white flowers; fond of moisture and shade.

**Filipendula.** A fine variety with large plumes of white flowers.

**Filipendula fl. pl.** A charming variety with double white flowers and deeply cut foliage; 1½ feet; June and July.

**Palmata (Crimson Meadow Sweet).** Purplish red stems and crimson purple flowers; 3 feet; June-July.

**Venusta Magnifica.** A magnificent new sort with intense rosy-red, fragrant flowers; 4 to 5 feet; June-July. 50c. each; doz., \$5.00.

Price of above Spiraeas, except where noted, 25c. each; doz., \$2.50; \$15.00 per 100.

## STACHYS (Wound Wort)

An attractive plant, 12 to 15 inches high; flowering in June and July.

**Betonica Rosea.** Rich brilliant pink.

**Lanata.** An ideal edging plant with bright silvery-white woolly foliage. The flowers, which are rather small, are bright purple; 8 inches high.

Either of the above, 20c. each; doz., \$2.00; \$12.00 per 100.



*Stokesia* (See Page 145)

## STATICE (Sea Lavender)

Principally grown for dried winter bouquets.

**Gmelini.** Immense panicles of flowers of a delicate light blue color; 15 inches high; July to October.

**Latifolia.** Gigantic heads of dark blue flowers; June to October.

**Tartarica.** Deep lilac flowers, which appear all summer; 15 to 18 inches high.

Price of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

## STENANTHUM

(Mountain Feather Flece)

**Robustum.** An interesting, showy perennial from the Caroline Mountains; the five spear-like leaves bend charmingly on all sides and from the centre springs a tall flower spike, bearing an immense number of small pure white flowers. 50c. each; doz., \$5.00.

## STOKESIA (Cornflower Aster)

The flower has the appearance combining a giant cornflower and an aster. Plants are 18 inches high and are of spreading habit, blooming from June until frost. Succeeds in most any location.

**Cyanea.** Very light blue.

**Cyanea Alba.** Pure white.

Price of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

## SWEET WILLIAM

(Dianthus Barbatus)

This plant occupies a foremost position, producing, early in spring, quantities of bloom which make a grand effect; for just when they are in flower it is generally too soon for other perennials. For wild garden effect, Sweet Williams should occupy first place.

**Michell's Prize Mixture.** In all colors.

**Pink Beauty** (sometimes called Newport Pink). A splendid shade of salmon with immense flower trusses. When massed it is a striking feature of the perennial garden; an extra fine novelty.

**Pure White, Crimson, Red with White Eye, Maroon, Scarlet, Pink.** Each color separate.

Price of any of the above, in extra strong plants, 20c. each; doz., \$1.50; \$10.00 per 100.



Sweet William

## SYLPHIUM (Cup Plant)

**Perfoliatum.** Large, beautiful foliage plants, with opposite leaves, which join around the stem forming cup-like cavities; flowers yellow in corymbose heads. 25c. each; doz., \$2.50; \$17.50 per 100.

## TANACETUM

**Vulgare.** Bright yellow flowers and curled leaves; 3 feet; July to September. 20c. each; doz., \$2.00; \$12.00 per 100.

## THALICTRUM (Meadow Rue)

Very graceful plants with handsome, finely-cut foliage; they make splendid border plants, also useful for rockeries.

**Aquilegiafolium Atropurpureum.** Rosy purple; 3 feet.

**Aquilegiafolium Album.** White; 3 feet.

**Aquilegiafolium Album Compactum.** A compact growing form of the Columbine-leaved Meadow Rue, not over 2 feet high; flowers of purest white in large heads. 35c. each; doz., \$3.50.

**Flavum.** Rich yellow; 2 feet.

**Adiantifolium.** Foliage resembles the Maiden Hair Fern; miniature white flowers appear in profusion in June and July; 12 inches.

Price of above Thalicttrums, except where noted, 25c. each; doz., \$2.50; \$15.00 per 100.



Tritoma Pfitzeri

## THERMOPSIS

**Caroliniana.** A showy, tall growing plant, 3 feet high; long spikes of yellow flowers in June and July. 25c. each; doz., \$2.50; \$17.50 per 100.

## THYMUS

**Serpyllum** (White Mountain Thyme). Splendid rockery plant, forming a dense covering of dark green foliage with a profusion of white flowers. 20c. each; doz., \$2.00; \$12.00 per 100.

## TRICYRTIS (Japan Toad Lily)

**Hirta.** An excellent plant of Japanese origin; 2 to 3 feet; very free blooming; the white flowers are plentifully besprinkled with purplish dots. 25c. each; doz., \$2.50; \$17.50 per 100.



## TRILLIUM (Wood Lily)

Excellent for shaded positions, flowering very early in spring. It looks best when planted promiscuously among hardy plants.

**Erectum.** Purple.

**Grandiflorum.** White.

Price of Trilliums, 15c. each; doz., \$1.50; \$10.00 per 100.

## TRITOMA

(Flame Flower, Torch Lily or Red Hot Poker Plant)

In summer and autumn when other flowers are on the wane, the Tritoma looms up and furnishes a wealth of bloom till killing frosts check it. A vase of these arranged with autumn leaves or ornamental grasses makes a handsome effect. Though the roots are considered hardy, we, however, recommend that they be lifted in the autumn and placed in a box of soil or sand, preferably in the cellar. There are a number of varieties in commerce, but the sorts mentioned below seem to be demanded most and fill every need.

**Pfitzeri.** Blooms from August till October; rich orange scarlet. 25c. each; doz., \$2.50; \$15.00 per 100.

**Tuckii.** The flowers of this variety are of a distinct shade of red, shaded primrose yellow; 4 feet high; August-September. 25c. each; doz., \$2.50; \$17.50 per 100.

**Quartimiana.** Bold, Yucca-like foliage; 5 to 6 feet high; bright scarlet fading to pale yellow, in early summer. 35c. each; doz., \$3.50.

## TROLLIUS (Globe Flower)

An early flowering plant, lasting in bloom till August. It prefers a shaded location; while hardy, we recommend a slight protection to the plant in winter; height, 12 inches. **Caucasicus** "Orange Globe." A fine bold variety, with large, deep-orange colored flowers.

**Europaeus.** Bright yellow.

**Japonicus** "Excelsior." Very deep orange colored flowers.

Price of any of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

## TUNICA

**Saxifraga.** A pretty plant of a very graceful trailing habit; pink flowers; fine for rockeries. 25c. each; doz., \$2.50.

# MICHELL'S HARDY PERENNIAL PLANTS



Veronica Subsessilis

## VALERIANA (Spurred Flower)

**Coccinea.** Showy heads of red flowers; in bloom all summer; 2 feet.

**Coccinea Alba.** A white form of the above.

**Officinalis** (Hardy Garden Heliotrope). Showy pink flowers from June to August, with a strong heliotrope perfume.

Price of any of the above, 20c. each; doz., \$2.00; \$12.00 per 100.

## VERBASCUM

**Phoenicium.** A most decorative plant, producing deep violet flowers on long spikes, often 3 feet long. Blooms continuously from July to September. 25c. each; doz., \$2.50; \$17.50 per 100.

## VERONICA (Speedwell)

Perennials which, with few exceptions, bear spikes of blue flower. Excellent for cutting.



Vinca

## VERONICA (Continued)

**Amethystina.** Amethyst blue flowers in June and July; 2 feet high.

**Incana.** White, silvery-like foliage, tufted with pale blue flowers; 12 to 18 inches.

**Longifolia Subsessilis.** Grows 2½ feet high and is completely studded with spikes of rich blue flowers from July to August. 25c. each; doz., \$2.50; \$17.50 per 100.

**Repens.** Fine for rockeries or carpet bedding; light blue flowers; 6 inches.

**Spicata.** A very valuable species; dense tufts; erect spikes of blue flowers in June and July; 18 inches.

**Spicata Alba.** Similar to preceding, but with white flowers.

**Virginica.** Free flowering, with bold upright habit. Pale blue; July and August.

**Virginica Alba.** Large, pure white.

Price of above Veronicas (except where noted), 20c. each; doz., \$2.00; \$12.00 per 100.

## VINCA (Periwinkle or Myrtle)

It is often a perplexing problem to find the plant that will do well in a dense shade. Right there is where Vincas of the hardy class should be employed, also in lawn plantings under trees, in woodlands and on spots where it is desired to cover the ground and no grass will grow. The attractive light lavender flowers produce a sheen of color in May. It is valuable for planting on cemetery lots by reason of its dwarf creeping habit. The foliage is green all winter.

**Aurea (New).** Identical in habit and value with the **Minor** type, except that the foliage is green, margined yellow. It is fast becoming very popular by reason of the brilliant show it makes when mixed in planting of the **Minor** variety. 25c. each; doz., \$2.50; \$15.00 per 100.

**Minor.** Green foliage, lavender flowers. Extra strong plants. 20c. each; doz., \$1.50; \$8.00 per 100.

## VIOLA (Tufted Pansies)

A so-called everblooming pansy. They are in ways better than pansies, as they start to flower in April and are a blaze of color till killing frosts. While not as large as pansies the flowers are so free that they are planted extensively in preference to the latter. If possible they should be put in a shaded location where they flower most freely. **Blue** and **Purple, White** and **Yellow** varieties separate. 15c. each; doz., \$1.25; \$8.00 per 100.

**Gustav Wernig.** In crossing the Tufted Pansy with a sweet-scented Violet we have here a most wonderful new flower, resembling in form, shape, color and length of stem a well-known Florist's Violet, **Princess of Wales**, but the foliage is that of the Pansy. The most remarkable feature of this novelty is its freeness of bloom; a bed of these is a sea of blue from beginning of May until frost time. 20c. each; doz., \$1.50; \$10.00 per 100.

**Pedata (Bird's Foot Violet).** A native variety, with finely cut foliage and showy blue flowers. 15c. each; doz., \$1.50; \$10.00 per 100.

**Pedata Bicolor.** An elegant variety of the above; the upper petals are rich royal purple; the lower petals almost white. 20c. each; doz., \$2.00; \$12.00 per 100.

## VIOLETS

**Double Russian.** Perfectly hardy and when grown in the open they are covered with deep purple flowers of dainty fragrance in the spring. 25c. each; doz., \$2.25; \$15.00 per 100.



Viola Cornuta

## WALLFLOWER

These old favorites should be in every garden. Their fragrance is superb. We offer these in mixed colors, including brown, yellow, etc. 20c. each; doz., \$2.00; \$12.00 per 100.

## YUCCA (Adam's Needle)

This plant sets off to best advantage if placed as individual specimens either on the lawn or in the shrubbery border. The foliage is of an evergreen nature, is slender and pointed. The tall flower-spikes rise 4 to 5 feet above the plant and are decked with cream-white bell-shaped drooping flowers July and August. A majestic plant, especially fine for producing tropical effects.

**Filamentosa.** White, with reflexed flower bells. Extra strong plants. 25c. each; doz., \$2.50; \$17.50 per 100.



Yucca Filamentosa



This family of Climbing Plants are probably more popular than any other. Some of the small flowering varieties are exceedingly fragrant. The large flowering types make a glorious effect on account of their gigantic blooms and striking appearance. All Clematis delight in plenty of sunlight, rich soil and plenty of water in dry weather. Our list of large flowering sorts is limited to the best varieties, which bloom generally in June.

## LARGE FLOWERING VARIETIES

**Note.**—Great care should be exercised in planting the large-flowering varieties. During the process of transplanting, the stem is likely to get broken below the eye shoots, which would render the plant useless. To guard against this, place a few stakes around the plant to protect it after planting. In the winter put a covering of straw, long manure or leaves around the roots.

**Duchess of Edinboro.** Double, pure white

**Henryi.** Creamy white large single flower borne in great profusion.

**Integrifolia Durandi** Grows about 5 feet high, flowers early in the summer, intermittently until autumn; produces very large flowers of an intense shade of indigo blue. Conceded to be one of the finest of the Clematis family and described as being of wonderful beauty.

**Jackmanni.** Violet-purple, intensely colored gigantic flower.

**Mme. Baron Veillard.** A rich, reddish purple.

**Mad. Edouard Andre.** Velvety red flowers are well formed of great substance; the blooms are gigantic.

**Montana Grandiflora.** Large, pure white flowers about 2 inches in diameter, begins to flower early in April and at times the whole plant is covered with bloom.

**Montana Rubens (New).** Medium-sized flowers, a soft shade of rosy red, looks excellent when massed among Clematis Paniculata. Though it dies down in the winter, the roots should be protected to ensure its remaining alive in the latitude of Philadelphia. 75c. each; doz., \$7.00.

**Nelly Moser.** White and pink in one flower; striped carmine pink, flowers are often 4 to 5 inches in diameter.

**Sieboldi (Hybrida).** Very large bright blue flowers, a distinct contrast to every other variety.

**Ville de Lyon.** Bright carmine.

Price of any of the above Large Flowering Clematis, except where noted, in extra strong pot-grown plants, 50c. each; doz., \$5.00.

## SMALL FLOWERING VARIETIES

These flower profusely, and are in demand for covering porches, trellis and arbors, and to climb over posts and fences.

**Coccinea.** Bright red, bell-shaped small flowers, which begin to appear in June and last until frost. 30c. each; \$3.00 per doz.

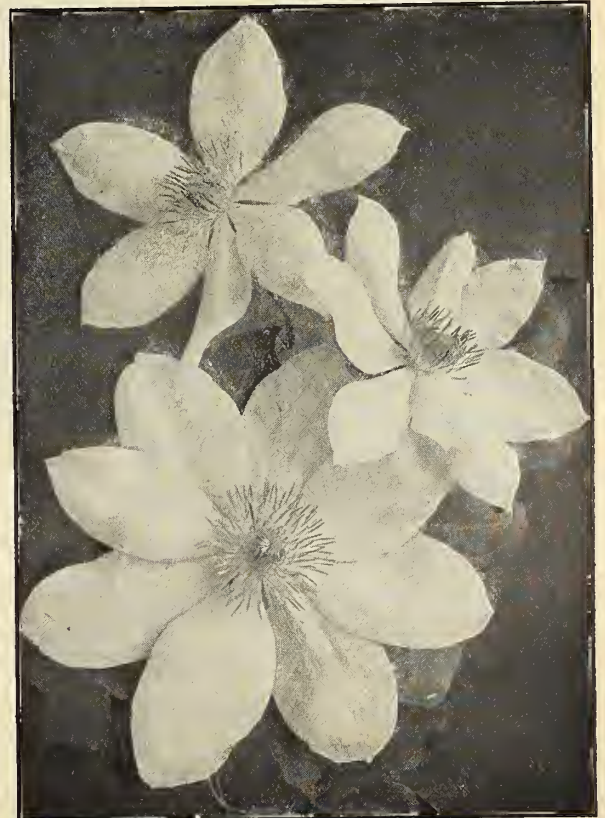
**Crispa.** This variety bears sweet-scented, lavender flowers, white in the centre. It flowers early and continues until frost. Makes an excellent combination of color when planted with the Flammula and Coccinea varieties. Extra strong plants, 30c. each; \$3.00 per doz.

**Flammula (Fragrant Virgin's Bower).** White flowers, a trifle smaller than above; fragrant, blooms June and July. Extra strong plants, 30c. each; doz., \$3.00.

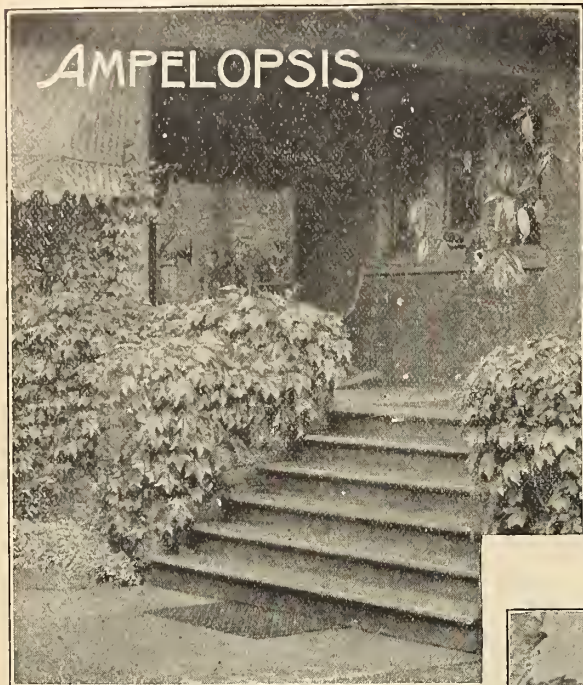
**Paniculata (Japanese Virgin's Bower).** A strong luxuriant grower, with light green foliage. At the close of August innumerable star-like flowers cover the vine in a sheet of fragrant white. Strong plants, 25c. each; per doz., \$2.50; \$15.00 per 100. Extra strong plants, 50c. each; per doz., \$5.00; \$35.00 per 100.



A beautiful effect made with Clematis Paniculata



Clematis Jackmanni. One of the most beautiful of the large flowering species.



**AMPELOPSIS**

**AMPELOPSIS—Continued**

**Quinquefolia** (*Virginia Creeper*). The large, handsome, dark green leaves are deeply cut into five lobes, hence the name "Five Finger" is often given to it. In the autumn the foliage turns a beautiful rich crimson; especially adapted to covering tree stumps and trunks. Extra strong plants, 30c. each; per doz., \$3.00; \$17.50 per 100.

**Veitchii** (*Boston Ivy*). The popular climber for brick and stone buildings and walls. The leaves are a beautiful deep green, which in the autumn turn to a coppery red. Strong plants, 30c. each; per doz., \$3.00; \$17.50 per 100. Extra large plants, 50c. each; doz., \$5.00.

**ARISTOLOCHIA** (Hardy)

**Sipho** (*Dutchman's Pipe*). Handsome light green leaves, giving a quick, dense shade. The brown flowers are shaped like the bowl of a pipe. The vine retains its color throughout the entire summer. Large plants, 60c. each; doz., \$6.00.

**BIGNONIA** (*Trumpet Vine*) (Hardy)

These are strong-growing vines, with rich green foliage and trumpet-shaped flowers.

**Grandiflora**. Large flowering, bright orange-red. Strong plants, 60c. each; doz., \$6.00.

**Radicans**. Dark red, free-flowering, throat shaded orange. Our plants of this variety are extra large. 35c. each; doz., \$3.50.

**CELASTRUS** (*Bittersweet or Waxwort*) (Hardy)

**Scandens**. A native of this country and a vine of rapid, quick growth. In the early summer it produces yellow flowers, which by autumn have turned to bright, orange-colored fruits, with red markings. The foliage is elongated, very dark green. Extra strong plants, 35c. each; per doz., \$3.50.

**CINNAMON VINE** (Hardy)

A very free growing climber, with small white flowers deliciously scented; makes a quick, dense shade. These can be mailed. Extra strong roots, 10c. each; per doz., \$1.00; \$7.00 per 100. Strong roots, 5c. each; per doz., 50c.; \$3.00 per 100.

**COBEA** (Annual) (Ready in May)

**Scandens**. A beautiful blue, cup-shaped flowering annual climber, very desirable for lattice covering, etc. Extra strong plants, 4 in. pots, 30c. each; per doz., \$2.50.

**ENGLISH IVY** (Hardy)

This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 4 in. pot plants, 30c. each; per doz., \$3.00; \$20.00 per 100. 6 in. pot plants, 75c. each; doz., \$7.50; \$50.00 per 100.

**ACTINIDIA** (Hardy)

**Arguta** (*Silver Vine*). An introduction from China which in this country is grown principally for the dense shading foliage, which is very dark green, heart shaped. In its native home it is supposed to flower yellow, although in this country it has not been known to bloom. Fine for covering tree trunks, arbors, etc. Strong plants, 60c. each; doz., \$6.00; extra strong plants, 75c. each; doz., \$7.50.

**AKEBIA** (Hardy)

**Quinata**. Quick-growing vine; small, fine-lobed, half-evergreen leaves, and purplish brown or chocolate-colored flowers, which have a delicious odor. This plant is highly desirable where a dense shade is not desired. Extra strong plants, 30c. each; doz., \$3.00; 100, \$17.50.

**AMPELOPSIS** (Hardy)

**Engelmanni**. Handsome dense foliage; clings readily to stone and brick walls; foliage light green in summer, changing to a crimson in the autumn; very rapid grower. Strong plants, 35c. each; doz., \$3.50.

**Henryana**. A new and perfectly hardy beautiful variety from China, with fringed foliage, which gives it an attractive appearance. Toward autumn the foliage changes to brilliant red and shows a light colored vein. Extra strong plants, 50c. each; doz., \$5.00.

**Humilifolia**. A distinct species; dark glossy green foliage. In the early autumn the vine is loaded with round berries, which go through various shades of color, finally turning deep blue. This variety is very hardy. Strong plants, 50c. each; doz., \$5.00.

**Elegans**. Splendid variety; glossy foliage; rapid grower; 50c. each; doz., \$5.00.

**Tricolor**. Dark green foliage variegated white and pink, covered in the autumn with lustrous blue berries or seed pods. 35c. each; doz., \$3.00.

**Lowii** (*New Japanese Ivy*). Conceded to be a great improvement over Veitchii. It possesses every one of the merits of the latter and resembles it in many ways, except that the foliage is smaller and more finely divided. It clings to the smoothest surfaces on its own accord. Grows very rapidly, having foliage of a light green shade. In the autumn it changes to bright scarlet. Extra strong plants, 50c. each; per doz., \$5.00; \$35.00 per 100.



*Bignonia Grandiflora*

**ABOUT BIGNONIAS and ARISTOLOCHIAS**

"On account of these plants remaining in a dormant state until quite late in the spring, we find it has been in our customers' interests to not ship them too early. Experience has proven that about May 1st to 15th is the proper time for beginning to ship out such stock." If customers insist on earlier shipment we can do so at their risk.



*Kudzu Vine* (see page 149)

Plants offered on this page can be shipped best via express. No Plants sent C. O. D.

(hi)



## LATHYRUS (Hardy Sweet Pea)

This makes an elegant show, planted against trellis, lattice or individual posts. It is one of the very few vines which produces flowers for cutting.

**White Pearl.** Glistening pure white; giant flower trusses which are twice the size of the ordinary variety. It flowers during most of the summer and lasts well into autumn. One of the best hardy pillar plants in commerce to-day. 30c. each; doz., \$3.00.

**Latifolius Crimson.**

**Latifolius Pink Beauty.** Brilliant rose.

**Latifolius Albus.** Pure white.

Extra strong plants of the above (except as noted), 20c. each; doz., \$2.00.

## LYCIUM (Matrimony Vine) (Hardy)

**Barbarum.** A dense growing climber, somewhat shrubby in nature. In late summer the small purple flowers are followed by a crop of red berries which remain until late winter. 30c. each; doz., \$3.00.

## MOON VINES (Annuals, except where noted) (Ready April 15th)

These favorite climbers should be planted by every one, who wants a quick growing vine. The *Noctiflora* (White) and *Learii* (Blue) types have large foliage and make dense shade. All of them are suited for climbing wood and wire fences, lattice and trellis work and pillars.

**Learii** (*Blue Dawn Flower*). Enormous blooms of intense violet shade, frequently 4 or more inches in diameter, producing at times as many as 300 flowers on a stalk. Imagine a beautiful blue Morning-Glory and multiply the size several times and you have a slight conception of the Blue Moon-vine. Planted in amongst white variety, the effect is charming. The *Learii* type blooms all day. Extra strong plants, 25c. each; doz., \$2.00.

**Noctiflora.** A pure white variety blooming toward evening and in the forenoon; the flowers are frequently 6 inches in diameter. The vines are not hardy, but on account of their great beauty, it pays to plant them each season. Extra strong plants, 25c. each; doz., \$2.50; \$17.50 per 100.

**Paniculata** (*Hardy*). Beautiful rose-pink flowers, large in size. Extra strong plants, 25c. each; doz., \$2.50.

**Special Offer.**—One each of the above Moon Vines for 60c., by express collect.



Climbing Hydrangea (See page 150.)

## EUONYMUS (Hardy)

**Radicans Variegata.** An excellent little, self-clinging vine, suitable for covering walls, stumps or rockeries, or wherever a vine of slow growing habit is desired. Leaves are small and variegated. 20c. each; doz., \$2.00; \$12.00 per 100.

**Radicans Vegetus.** A large-leaved form; splendid for covering high walls. On account of their dense foliage and extreme hardiness, it will take the place of English Ivy for wall covering. 30c. each; doz., \$3.50; \$20.00 per 100.

**Kewensis.** A new variety with small, dark green foliage; valuable for rockeries and for covering ground under trees. 30c. each; doz., \$3.00; \$18.00 per 100.

**Radicans.** Deep green foliage; valuable for covering low walls. 20c. each; doz., \$2.00; \$12.00 per 100.

## HOP VINE (Hardy)

**Golden Leaved.** Identical in growth and habit as the Japanese except for foliage, which is bright yellow. 25c. each; doz., \$2.50; 100, \$15.00.

**Japanese.** A rapid grower, with dark green foliage, and bears a profusion of seed-pods suitable for many domestic purposes. Strong pot plants, 15c. each; doz., \$1.25; \$7.00 per 100.

## HONEYSUCKLE (Hardy)

**Chinese Evergreen** (*Woodbine*). Red, yellow and white variegated flowers; very fragrant; blooms the entire season.

**Halliana** (*Hall's Honeysuckle*). Flowers, pure white, turning to yellow; fragrant, hardy evergreen; flowers from June until frost.

**Heckrothi.** Deep red flowers with yellow throat. 50c. ea.; doz., \$5.

**Variegated** (*Aurea Reticulata*). Foliage beautifully mottled yellow and green; flowers white and yellow.

**Red Coral or Scarlet Trumpet.** Bright red, trumpet shaped flowers. Bloom all summer. Extra strong plants, 50c. each; doz., \$5.00.

Price of any of the above, strong plants, 30c. each; doz., \$3.00; \$20.00 per 100. Extra strong plants of the 30c. size, 50c. each; doz., \$5.00.

## JASMINES (Hardy)

Splendid for sheltered positions. They will winter outside as far north as New York, if protected somewhat.

**Nudiflorum.** Fragrant yellow flowers before the foliage makes its appearance. 30c. each; doz., \$3.00.

**Officinale.** Pure white; very fragrant. 30c. each; doz., \$3.00.

## KUDZU VINE (Pueraria Thunbergiana) (Hardy)

(See illustration on page 148)

It is often remarked, that this vine grows a foot a day, and those who have seen it, would believe that this has not been exaggerated. Makes a dense covering, exceedingly attractive. Towards the end of summer it produces small, rosy-purple flowers. Extra large plants, 25c. each; doz., \$2.50; \$18.00 per 100.



*Ipomea Noctiflora* (White Moon Flower)

**MADEIRA OR MEXICAN VINE** (Hardy)

The tubers if planted deep and protected during the winter are hardy. The leaf is very deep green, and grows very dense; the flower is very small, white in color. Strong roots, 5c. each; single roots mailed free; per doz., 50c. (by mail, 60c. doz.); \$3.00 per 100 by express.

**PASSIFLORA or PASSION VINE**

(Tender Perennial)



Passion Vine

In our grandmothers' time this was the most important of vines, and could probably be found in most every garden where plants were grown. It is exceedingly attractive, both for foliage and flowers. Climbs best on a trellis and produces continuously from July until frost, richly colored flowers. The plants can be taken up in the fall, cut back and wintered over, if kept in a light cool place and watered occasionally.

**Pfordii.** This is probably the best of the Passion Vines; even real small plants produce flowers. They are shaded rich blue, edged rose pink. Extra strong plants, 30c. each; doz. \$2.50.

**POLYGONUM** (Hardy)

**Auberti.** Remarkably strong grower, which in a short time covers a large area, growing at times as much as 12 feet in one season. The white flowers are produced in great abundance on the terminals of the vine, in late summer and autumn. Extra strong plants, 75c. each; doz., \$8.00.

**Baldschuanicum.** A valuable addition to the hardy climbers. This variety is a strong grower and somewhat shrubby in nature. From June until autumn it is covered with panicles of light pink flowers. Extra strong plants, 75c. each; doz., \$7.50.

**SCHIZOPHRAGMA** (Hardy) (Climbing Hydrangea)

**Hydrangeoides.** In reality this is a very old variety of Climbers, having been introduced almost 50 years ago from Japan. Large white flower trusses somewhat resemble a Hydrangea and produce a remarkable display when in full bloom during July and August. It is adapted for clinging to any rough surface and particularly suited for twining about tree trunks. It is a vine that ought to be in every collection of climbers. Our stock of plants is of extra fine quality. \$1.00 each; per doz., \$10.00.

**TRELLIS WORK FOR CLIMBING VINES OF ALL KINDS**

On page 183 we list a full line of wood and wire trellis, stock sizes. Arches and Upright Wire Work is supplied to order promptly.

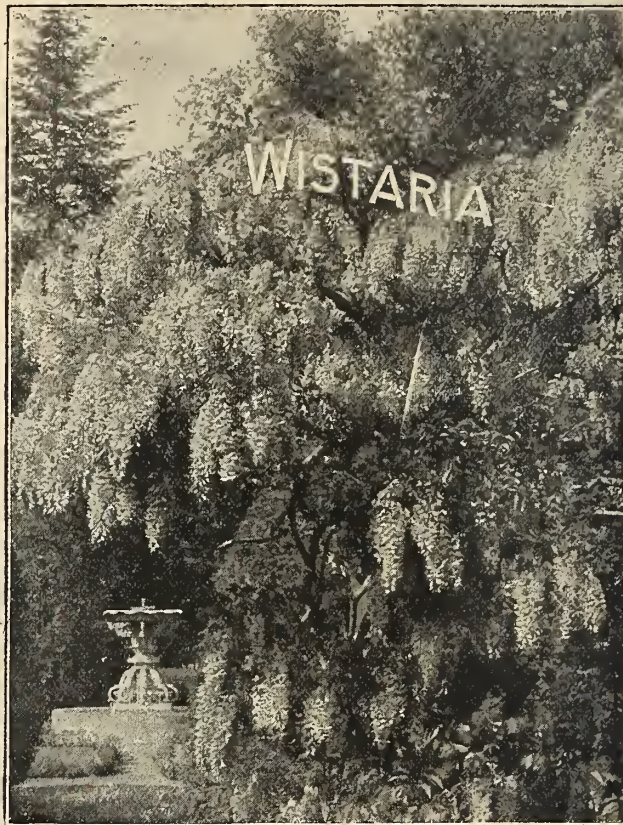
**GALVANIZED WIRE ARCHES AND TRELLIS WORK**

These can be furnished on short notice any height or any width. Made of extra heavy galvanized diamond mesh wire with strong frames to prevent sagging.

Price 40c. per square foot.

**PLANT ORDERS**

*These are usually filled and shipped separately from orders of other merchandise, except to far distant points. We find this is more satisfactory to the majority of our customers, and it enables us to handle the whole order more promptly.*

**WISTARIA** (Hardy)

No plant, vine or shrub can equal the display made by the Wistaria. It flowers in the latitude of Philadelphia during May. A strong developed vine produces hundreds of flower panicles, while no foliage is visible until after the flower is faded. The graceful effect it produces is hard to describe, the blue variety being especially attractive. They thrive best in the sun, and with an application of cow manure once or twice a season they respond marvelously by an extra growth and an abundance of flowers.

**Chinensis** (*Chinese Wistaria*). Pale blue, somewhat fragrant. Strong plants, 60c. each; doz., \$6.00.

**Chinensis Alba.** A beautiful white flowering form of the above. Looks especially attractive when intermingled with the blue variety. Strong plants, 60c. each; per doz., \$6.00.

**STANDARD OR TREE WISTARIA**

Our grower in Europe has sent us a shipment of these in both Blue and White varieties. This type of Wistaria develops into a beautiful dwarf tree, which is umbrella-shaped. At times they have been known to produce 500 flower panicles; in fact, their beauty is so wonderful, when in bloom, that it is really hard to describe.

**White or Blue.** Pot-grown plants; 5 to 6 foot stems. \$3.00 each; doz., \$30.00.

**ABOUT WISTARIAS**

On account of these plants remaining in a dormant condition until quite late in the spring we find it has been in our customers' interests to not ship them too early. Experience has proven that May 1st to 15th is the proper time to begin shipping such stock, if customers insist on earlier shipment we can do so at their risk.



**HARDY AZALEAS**

**Amoena.** Dwarf bushy shrub; covered in April and May with masses of purplish-red double flowers, which last from 3 to 4 weeks. The foliage remains all winter, when it takes on a coppery-red shade. 12 inch diameter heads. \$1.00 each; per doz., \$10.00; \$80.00 per 100.

**Anthony Koster.** A type of the Mollis variety, with exceptionally large flowers of a golden orange. The color is very bright and the sort is considered the best of the Mollis varieties; flowering in May; plants with 12 to 15 in. heads. \$1.25 each; per doz., \$12.00; \$90.00 per 100.

**Hinamayo.** Delicate deep pink flowers. This looks well planted among the Amoena and Hinodegiri varieties. 18 inch; well-budded plants. \$1.25 each; doz., \$12.00; \$80.00 per 100.

**Hinodegiri.** A much more brilliant variety than Amoena. Grows 2½ feet high and is literally smothered with masses of bright, fiery red single flowers in April and May. Strong plants, 18 in. diameter. \$1.50 each; doz., \$15.00; 100, \$100.00



**Azalea Mollis**

**Japonica Alba.** Pure white large flowers, very showy among bright-colored flowering shrubbery. Strong 18-inch plants. \$1.25 each; doz., \$12.50; \$80.00 per 100.

**J. C. Van Tol.** A type of the Mollis variety, but much larger, flowering bright red; a fine contrast when planted with A. Koster variety; plants with 20 to 25 buds. \$1.00 each; doz., \$10.00; \$75.00 per 100.

**Mollis.** Of dwarf bush-like habit, with light green leaves. The flowers are as large as the Azaleas, usually seen in greenhouses. There are but three colors of it, yellow, orange and red; it blooms about the middle of May. When massed in a large bed they create a particularly beautiful spot; mixed colors. Plants, 12 to 15 buds. \$1.00 each; per doz., \$10.00; \$75.00 per 100.

**Pontica Bouquet de Fleur.** Salmon rose, semi-double, 18/24 inches. \$1.25 each; doz., \$12.50.

**Pontica Coccinea Speciosa.** Brilliant salmon, shaded darker, 18/24 inches. \$1.25 each; doz., \$12.50.

**Pontica Davisi.** Pure white, free bloomer, 18/24 inches. \$1.25 each; doz., \$12.50.

**Pontica Nancy Waterer.** Indian yellow, very attractive, 18/24 inches. \$1.25 each; doz., \$12.50.

**Yodogama.** In May this variety is a mass of lavender pink; flowers very distinct; plants, strong 18-inch stock. \$1.00 each; doz., \$10.00; \$75.00 per 100.

**HARDY RHODODENDRONS**

They require good garden soil. It is advisable to protect with leaves or brush during winter. When Rhododendrons have finished blooming, the old flower should be cut off; this ensures blooms the following season.

**Album Elegans.** Pure white, gigantic flower heads.

**Caractacus.** Crimson or blood red; a handsome shade.

**Chas. S. Sargent.** Rich crimson.

**Everestianum.** Lavender, very delicate and of great beauty.

**Fastuosum (Double).** Lavender; very large flower heads.

**F. D. Godman.** Crimson.

**Gen'l Grant.** Aniline red.

**\*James MacIntosh.** Rich scarlet.

**Kettledrum.** Deep red or rich purplish crimson.

**\*Lady Grey Egerton.** Mauve.

**Prof. Chas. Dickens.** Red, a shade between light and dark.

**Roseum Elegans.** Rose pink, large flowers.

Price of 18 to 24 inch plants, \$2.00 each; per doz., \$20.00; \$150.00 per 100.

24 to 30 inches high, \$3.00 each; doz., \$35.00; \$250.00 per 100.

\*Varieties marked thus can be supplied in 18/24 in. plants only.

**Amygdalus** (Flowering Almond)

**Rubra Flore Pleno Nana.** Erect, slender branches, which are covered in May with small, very double, fragrant, pink flowers. Strong plants 1½ to 2 feet. 75c. each; doz., \$7.50.

**Amorpha** (False Indigo)

**Fruticosa.** A strong growing shrub, from 6 to 7 feet high, with terminal panicles of pretty, odd and attractive bluish-purple flowers in July. Desirable on account of the unusual color of the flowers and attractive compound leaves. 40c. each; doz., \$4.00.

**Andromeda** (Lily of the Valley Shrub)

**Japonica.** Deep evergreen foliage, with drooping spikes of white flowers. \$1.50 each; doz., \$15.00.

**Altheas** (Rose of Sharon)

These thrive almost anywhere, producing their bloom from July till September.

**Alba Plena.** Pure white; double.

**Atropurpurea Plena.** Double purple.

**Coerulea Plena.** Double blue.

**Duchess de Brabant.** Double; deep red.

**Grandiflora Superba.** Double blush with crimson centre.

**Totus Albus.** Single; pure white.

Plants, 2 to 3 feet high. 35c. each; doz., \$3.50; \$25.00 100.

**Berberis** (Japanese Barberry)

**Thunbergii.** A good, hardy plant of low, dense growth for lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls, a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

	Doz.	100	1000
1 to 1½ feet (plant 8 to 10 inches apart)	\$1.75	\$12.50	\$100.00
1½ to 2 feet (plant 10 to 12 inches apart)	2.00	15.00	120.00
2 to 2½ feet (plant 12 inches apart)	4.00	27.50	200.00

**Atropurpurea** (Purple Barberry). Of erect growth, with purple foliage. Small yellow flowers followed in the autumn with red berries, 2½ to 3 feet. 35c. each; doz., \$3.50; \$25.00 per 100.

**Buddleya** (Butterfly Bush)

**Variabilis Magnifica.** Flowers continuously all season. The flower racemes are composed of many little blossoms in the shape and color of lilacs. 3 inch pot plants, 30c. each; \$3.00 per doz.; \$20.00 per 100. 4 inch pot plants, 50c. each; doz., \$5.00; \$35.00 per 100.

**Veitchiana.** Deeper in shade of lilac color than Magnifica; strong young plants. 30c. each; doz., \$3.00; \$20.00 per 100.

**Calycanthus** (Sweet Shrub or All Spice)

**Floridus.** Chocolate-colored double flowers, with a peculiar, agreeable odor. Blooms in June. 35c. each; doz., \$3.50.

**Cerasus** (Flowering Cherry)

**Double White.** Numerous white flowers conceal the branches in May; 4 to 5 feet. \$1.50 each.

**Double Pink.** Beautiful shade of pink; splendid for lawn decoration; 3 to 4 feet. \$1.75 each.

**Cytisus** (Golden Chain)

**Laburnum.** A large shrub with shining green leaves and long, drooping racemes of yellow flowers, which appear in early summer; 3 to 4 ft. plants. 60c. each; doz., \$6.00.

**Clethra** (Sweet Pepper Bush)

**Alnifolia.** Of low and dense growth; has numerous spikes of small white fragrant flowers appearing in July; desirable for moist places or along water edges. 35c. each; doz., \$3.50.

**Cercis** (Judas or Red Bush)

**Canadensis.** A tall slender growing shrub, developing eventually into a large tree. Very early in the spring the leafless branches are covered with delicate deep pink flowers; 2 to 3 foot plants. 50c. each; doz., \$5.00.

**Chionanthus** (White Fringe)

**Virginica.** In May and June the tree is covered with long, fluffy panicles of fine white bloom. Strong plants; 2 feet. 40c. each; doz., \$4.00.

**Cornus** (Dogwood) (Bush Form)

This plant is so well known, that it hardly needs description. The flowers appear before the foliage in May. In the autumn takes on a rich crimson shade.

**Florida** (White Flowered Dogwood). Strong plants; 2 to 3 ft. 50c. each; doz., \$5.00.

**Rubra** (Pink Flowered Dogwood). 2 to 3 ft. \$1.25 each; doz., \$12.50.

**Exochorda** (Pearl Bush)

**Grandiflora.** A profuse bloomer in the early summer. Flowers star shaped, sometimes an inch in diameter; pure white. 2 to 3 feet. 35c. each; doz., \$3.50.

**Elaeagnus** (Japanese Oleaster)

**Longipes.** A desirable nearly evergreen shrub of medium height, with light green foliage, which is silvered on the under surface. The orange-scarlet colored berries are very attractive during late summer. 35c. each; doz., \$3.50.

**Erica** (Heath)

This is a species of Heather, which flowers in July, and is a mass of bloom at that time.

**Vulgaris.** Rosy red flowers.

**V. Alba.** White.

Strong plants of the above, 40c. each; doz., \$4.00.

**Deutzia**

The Deutzias are among the most useful of our summer flowering shrubs. For planting either individually or in masses they are very attractive. Can be used for cut flowers.

**Candidissima** (Fl. pl.). Abundant racemes of double, pure white flowers in June, luxuriant foliage and fine habit. 2 to 3 ft. plants.

**Crenata** (Fl. pl.). Double flowers white, tinged with rose, blooming in June; 2 to 3 feet. Plants, 18 to 24 inches.

**Crenata Rosea** (Fl. pl.). Double flowering white tinged pink. 2 to 3 ft.

**Gracilis.** Of dwarf, bushy habit. White flower. 18 to 24 inches.

**Lemoinei.** Very dwarf and compact growing, with very large flowers of purest white, one of the best. 2 ft. plants.

Price of the above, 35c. each; doz., \$3.50.

**Euonymus**

**Japonica Aurea Var.** Beautiful deep green and yellow margined foliage, a splendid evergreen. 12 to 15 inch plants. \$1.00 each; doz., \$10.00.

**Forsythia** (Golden Bells)

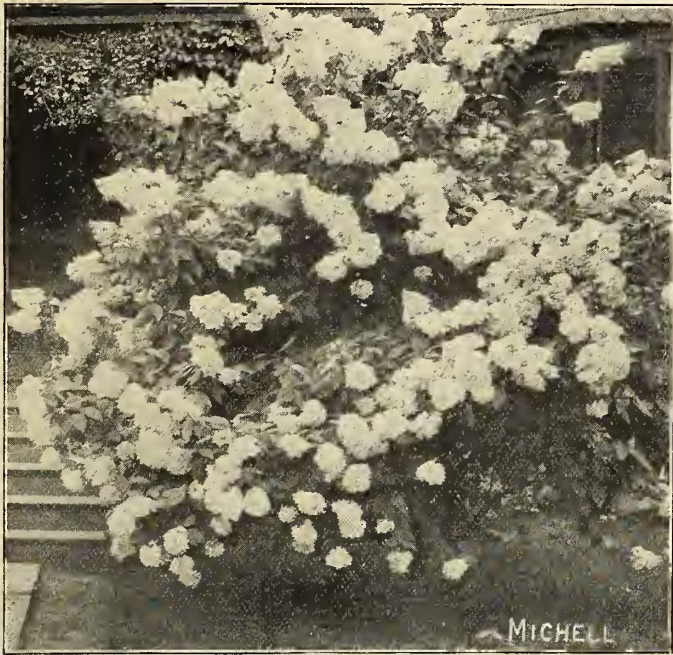
Bright golden yellow, star-shaped flowers burst into bloom just as winter is leaving and while the bush is otherwise bare. In fact, when in flower, nothing else but bloom can be seen.

**Fortunei.** Erect growing with dark green foliage; strong plants. 3 to 4 ft.

**Suspensa.** Of graceful drooping habit, can also be trained for covering arches and trellis work. Plants, 3 to 4 ft.

**Viridissima.** Of erect growth and spreading branches, narrow glossy foliage; one of the first to bloom. 3 to 4 ft. plants.

Price of Forsythias, 35c. each; doz., \$3.50.



*Hydrangea Paniculata Grandiflora*

**Hydrangea**

**Arborescens Grandiflora Alba.** (*Snowball Hydrangea*). The snow-white blooms are of the largest size. Coming into flower early in June and lasting until late August. Is more hardy than any other sorts and especially suited to plant in shaded places. 2 ft., 35c. each; \$3.50 doz.

**Paniculata Grandiflora.** The large panicles of white flowers are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong bush form 2 to 3 ft. plants, 35c. each; per doz., \$3.50. Extra strong stock, 3 to 4 ft. 60c. each; per doz., \$6.00.

**Paniculata Grandiflora** (*Standard or Tree Shaped*). These are fine, planted as individual specimens in the lawn or in the center of beds, containing other plants. Stems, 2 to 2½ feet long with shapely heads. 85c. each; per doz., \$9.00.

**Hydrangea** (*Otaksa Varieties*) (see page 113)

**Kalmia** (*Mountain Laurel*)

For planting in conjunction with Rhododendrons and Evergreens, the Laurel fills an important part. Foliage is evergreen and about May and June, according to locality, the plant is a mass of flowerheads, resembling somewhat the Rhododendron.

**Latifolia.** A delicate pink, changing to white as they expand. Grows best in woodland or under trees. Strong plants, 18 to 24 inches. \$1.25 each; per doz., \$12.00; \$90.00 per 100.

**Kerria** (*Globe Flower or Corchorus*)

Shrubs with light green branches. Does well in any soil, in shaded or open locations flowering in May and June.

**Double-flowered.** Of medium size; double yellow flowers. Plants, 2 to 3 feet high. 35c. each; per doz., \$3.50.

**Lonicera** (*Honeysuckle*)

**Morrowi** (*Japanese Bush Honeysuckle*). An open bush with irregular branches. The foliage is dark green with small white flowers, which appear during May. During the late summer and early autumn the plant is covered with bright red berries. Plants, 2 to 3 feet.

**Tartarica** (*Tartarian Honeysuckle*). An old-fashioned useful shrub with small fragrant flowers, some pink, others crimson and blush. These are followed by attractive reddish-orange berries. Plants, 2 to 3 feet.

Price of the above Loniceras 35c. each; doz., \$3.50.

**Philadelphus** (*Mock Orange or Orange Blossoms*)

A shrub that can always be depended upon to give splendid satisfaction. No insects bother it, and in May and June, the bushes are literally covered with flowers.

**Coronarius.** Handsome foliage and beautiful white flowers, quite fragrant. Plants, 2 to 3 feet.

**Grandiflorum.** A tall growing white variety, robust grower. Plants, 2 to 3 feet. 35c. each; doz., \$3.50.

**Lilac** (*Syringa*) (see illustration on page 154)

Description of this is hardly necessary to be given, as this is favorably known to most everyone.

**Pot-Grown Plants Suitable for Forcing.**

**Chas. X.** Large reddish purple with heavy trusses.

**Marie Le' Grey.** Single, pure white, of wonderful fragrance.

**Marie Lemoine.** Double pure white.

**Mme. Casimir Perier.** Double, pure white, with large individual flowers of exquisite odor; grand for cutting.

**President Grevy.** Large panicles; double blue flowers; very fine.

**Simon Mardner.** Large, compact trusses; bright blue.

**Souvenir de Louis Spaeth.** Deep purplish-red flowers in compact trusses.

Price of any of the above pot-grown Lilacs in extra strong fine plants, \$1.50 each; per doz., \$15.00.

**Field-Grown Plants.** (See above for description.)

Charles X, Marie Le Grey, Mme. Casimir Perier, President Grevy, Souvenir de Louis Spaeth, Marie Lemoine.

Extra strong plants of the above, field grown, 60c. each; doz., \$6.00.

**Vulgaris.** Common purple, sweet-scented Lilac. 18/30 inch. 35c. each; doz., \$3.50.

**Vulgaris Alba.** Pure white type of the above, but more fragrant. 18/30 inch. 35c. each; doz., \$3.50.

**White Persian.** Very early flowering; pure white, sweet scented. 18/24 inch. 40c. each; doz., \$4.00.

**Persian.** Early purple flowering; very profuse. 18/24 inch. 40c. each; doz., \$4.00.





For List of Lilacs see page 153

**Prunus**

**Pissardi** (*Purple-leaved Plum*). A tree-like shrub with dark purple leaves that keep their lustrous colored foliage right up till frost, having small pinkish white flowers in early spring. Plants, 2 to 3 feet. 50c. each; doz., \$5.00.

**Triloba** (*Double-flowering Plum*). Double pink flowers in April. The plants are 2 to 3 feet high. 50c. each; doz., \$5.00.

**Pyrus**

**Japonicus** (*Japan Quince*). This shrub is a beautiful sight, when covered in the early spring with cherry-red flowers about the size of an apple blossom. After the flowers fall, many of them set fruit, which is edible, making the finest Quince Jelly for preserves. This plant can also be used for hedge effects, and on account of the thorny nature it is a good barrier against cats, dogs and other animals. Extra strong plants, 2½ ft. 75c. each; doz., \$3.50.



A Pot Grown Japanese Dissectum Maple can develop into a beautiful specimen like this for the lawn.

**Maples** (*Japanese*) (*Acer Japonicum*) (*Pot Grown*)

Hardly anything in plants or shrubs is more attractive than these, especially in the early spring, just after they burst into foliage. For planting in groups, in shaded positions or even in the full sun, they are especially adapted, or as individual specimens on the lawn or in borders they are fine.

**Japonicum Atropurpureum**. Red leaved Japan Maple. Very fine foliage, which becomes more intense red, as the season advances, at times these revert again in the growing season, but as the plants become older, the fixed color of red becomes more permanent. Extra strong plants, in pots, 18 to 24 inches high, \$1.25 each.

**Japonicum Dissectum**. Dark red, very fine cut fernlike foliage; the plants have a low, spreading habit. Strong plants, in pots, 18 to 24 inches, \$1.25 each.

**Aureum**. A delicate shade of greenish yellow, which varies somewhat during the season. This, massed amongst others with dark foliage is a treat for the eye. Extra strong plants, in pots. 12 to 18 inches, \$1.25 each.

**Rhus** (*Purple Fringe or Smoke Tree*)

**Cotinus**. In July this is made very attractive, because of the light, airy or mistlike panicles of dark purplish blooms. Strong plants, 2½ feet, 40c. each; doz., \$4.00.

**Rhododendrons** (see page 151)



*Spirea Prunifolia* (*Bridal Wreath*)

**Spirea**

This group embraces a wide variety, so much so that frequently one might suppose that the plants belong to a different family, from this it can be seen that a collection of them will make an effective variety.

**Anthony Waterer**. Of dwarf, dense habit, bearing a profusion of crimson flowers. 18 to 24 inches, 35c. each; per doz., \$3.50.

**Opulifolia Aurea**. Bears an abundance of fragrant white flowers in clusters during June; the leaves are golden in spring but darken as the season advances. Extra size, 4 feet, 35c. each; doz., \$3.25.

**Prunifolia** (*Bridal Wreath*). The pretty double white flowers are all along the almost leafless stem about May 1st just as the leaves are budding. Splendid plants, 3 feet, 35c. each; per doz., \$3.50.

**Van Houttei**. This handsome species is the most desirable. The exceedingly beautiful white flowers appear in May in great profusion, a strong, robust grower. It is of compact habit and a beautiful ornament for the lawn. Plants, 2 to 3 feet, 35c. each; per doz., \$3.50.

**Thunbergii**. A graceful bush, bearing in April and May innumerable small, white flowers with dainty foliage. Large plants, 2½ feet, 35c. each; doz., \$3.50.

**Reevesii Flore Plena**. Double flowers in May and June, which last several weeks longer than most other varieties, making one of the best flowering shrubs. Pure white, 2½ feet, 35c. each; doz., \$3.50.



## Sambucus

**Aurea (Golden Elder).** Attractive by its golden foliage and desirable to mix with other shrubs to relieve the sombreness of green. 3 ft. 35c. each; doz., \$3.50.

**Racemosus (Red Berried Elder).** A robust growing shrub of easy cultivation. Attractive throughout the season. The white flowers, which appear in the spring, are followed by bright red berries in autumn. 2 to 3 ft. 35c. each; doz. \$3.50.

## Symphoricarpus

**Racemosus (Snowberry).** Small red flowers are succeeded by many white berries, remaining on the plant through half the winter; strong plants, 2 ft. 35c. each; doz., \$3.50.

## Staphylea (Bladder Nut)

**Colchica.** A tall growing shrub, flowering in May; the pure white flowers are very attractive and fragrant, produced in clusters. Extra strong plants. 60c. each; doz., \$6.00.

## Tamarix

Tall growing shrubs of irregular shape, with fine feathery foliage. The branches are covered with small delicate flowers, and even, when not in bloom, the bush is attractive.

**Africana.** Pink flowers, blooming in May. 2 to 3 ft.

**Hispida Aestivalis.** Pink flowers, borne in July and August, when other shrubs are out of bloom. 2 to 3 ft. 50c. each.

**Gallica.** A strong growing variety, bearing light pink flowers. 4 ft. Price of Tamarix, extra strong plants, 35c. each; doz., \$3.50.



## Viburnum

**Carlesi.** A new Japanese variety of a compact bushy habit, bearing, sweet-scented white flowers, somewhat after the style of a Bouvardia. This is a splendid addition to the Viburnums on account of its great beauty and its exquisite odor. It should be included in every collection of flowering shrubs. 75c. each; doz., \$8.00.

**Plicatum (Japanese Snowball).** A desirable shrub. Should be in every garden or on the lawn; perfectly hardy, blooming in June. Extra fine plants, 2 to 3 feet. 50c. each; doz., \$5.

**Viburnum Opulus Sterilis (Guelder Rose or Snowball).** Of spreading habit, bearing flat clusters of single white flowers, which afterwards produce brilliant red berries, which hang to the plant all winter; very decorative. Strong plants, 3 ft. 35c. each; doz., \$3.50.

## Vitex (Chaste Tree)

**Agnus Castus.** Attractive, graceful shrub, growing about 6 feet high. Towards end of summer it produces spikes of lilac shaded flowers 3 to 4 ft. 35c. each; doz., \$3.50.



## Weigelia

**Amabilis.** A pink flowering variety, in bloom during June and July; extra strong plants, 2 to 3 feet. 35c. each; doz., \$3.50.

**Candida.** Flowers abundantly in June and July, additional bloom is also shown during the autumn months. The tube-shaped flowers are pure white; fine for cutting. Plants, 2 to 3 feet. 35c. each; doz., \$3.50.

**Eva Rathke.** Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts, 2 to 3 ft. 35c. each; doz., \$3.50.

**Rosea.** Fine rose-colored flowers, considered one of the finest of flowering shrubs. Blossoms in May. Plants, 2 to 3 feet. 35c. each; doz., \$3.50.

### SPECIAL ATTENTION PLEASE

The quality of our flowering shrubs is splendid, it must not be compared with small 1-year-old plants, that are usually sent out on orders through the mails, what we offer will give an effect the first year after planting and is well worth any difference in cost over the smaller plants.

SHRUBS should be sent by express wherever possible.



A Hedge of *Berberis Thunbergii*—Nothing in the Hedge Plant Line Equals it for Grace and Beauty

## BERBERIS THUNBERGII

(Japanese Barberry)

A good, hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush, which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

### Price of Berberis

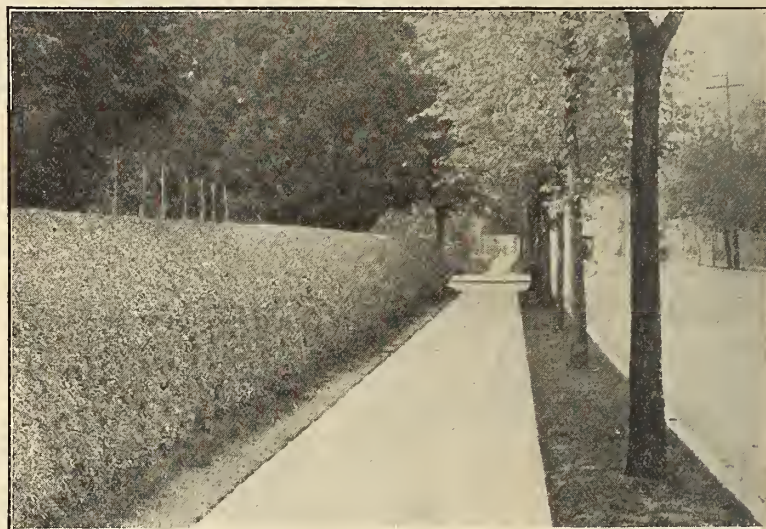
	Each	Doz.	100	1000
1 to 1½ ft.....	\$0.25	\$1.75	\$12.50	\$100.00
1½ to 2 ft.....	.35	2.00	15.00	120.00
2 to 2½ ft.....	.50	4.00	27.50	200.00

## CALIFORNIA PRIVET

Exceedingly beautiful; leaves deep green, bright and very glossy. Especially adapted for hedges at the seashore; easily transplanted. Unlike a fence which needs painting, repairing, etc., and then never looks well. This hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in its beauty with each successive year, and the possibilities are amply displayed at some of the model suburban home grounds in and around Philadelphia. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. To establish a good hedge, the proper foundation is necessary. The trench should be thoroughly manured, and received in addition a liberal application of Michell's Pure Bone Meal and both worked in with a spade. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other, this practically places them 6 inches apart, which is desirable to get a quick dense growth. Plant from October 1st to November 15th and from March 15th to May 15th. Ask for our special free circular on California Privet.

Height	Doz.	100	1000
1-yr.-old, 18 to 24 in., 3 to 4 branches..	\$0.75	\$3.50	\$30.00
2-yr.-old, 24 to 30 in., 5 to 8 branches..	1.00	5.00	40.00
2-yr.-old, 30 to 36 in., 8 to 10 branches..	1.25	6.50	52.50

NOTE—Our privet is especially fine and will give splendid satisfaction.



A Privet Hedge is Much More Attractive than the Best Fence

## GOLDEN OR VARIEGATED LEAVED PRIVET

Like the California variety, but each leaf is margined and blotched golden yellow, giving it, from a distance, a striking appearance. It is quite new and the stock is limited, when available it will become very popular, we recommend it especially for placing among shrubbery or for planting on the lawn, the contrast between the grass and golden foliage is beautiful.

**Bushy Plants**, 15 to 18 in. high, 50c. each; doz., \$5.00; 100, \$35.00.

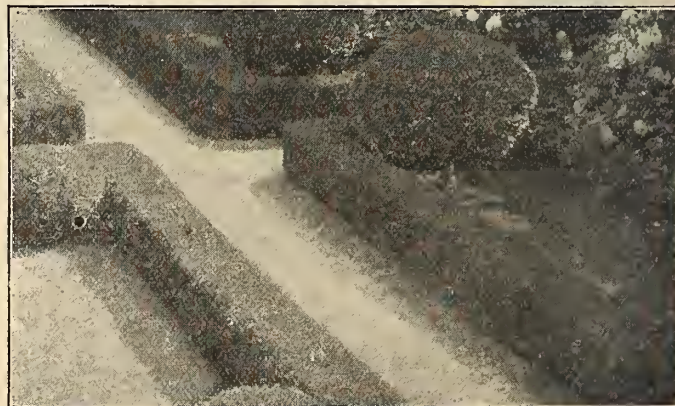
## BOXWOOD (*Buxus suffruticosa*.) (For Edging)

In Europe the Boxwood edging plays a very conspicuous part in every garden. There is something about it which adds a homelike feeling to the surroundings. At times, especially in the morning, or after a rain, it seems to permeate the air with a distinct, pleasant odor. A planting lasts a lifetime. Many Boxwood enclosures, planted a hundred years ago, are in existence to-day. It grows rather bushy, instead of in height. It should be set about 4 inches apart and trimmed to shape according to its growth.

4 to 6 inches, \$1.20 per doz.; per 100, \$7.00; \$60.00 per 1000.

6 to 8 inches high, 30c. each; doz., \$3.00; \$20.00 per 100.

See also page 157 for other Boxbush.

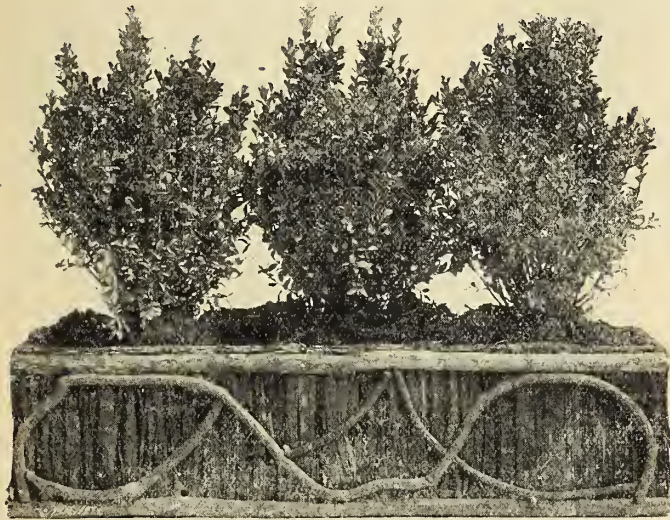


Boxwood Edging Adds to a Garden Charm and Beauty that Cannot be Obtained with Any Other Plant

We Can Also Supply All Other Varieties of Hedge Plants

(ha)

This list includes the varieties mostly in demand. We can furnish all other sorts.



A Window Box Planted With Boxwood Adds an Attraction to the Dwelling.

## BOXWOOD (Ready after April 15th)

These are fine for planting out as individual specimens in the lawn or along paths and drives. We have imported a large number of these desirable plants in pyramidal form, in natural or untrimmed state, and ball shapes. The untrimmed plants can be used for hedge effects, as individual specimens in porch or window boxes.

### Ball Shaped Boxwood

These are effective for vestibule and garden decoration.  
 12 inch diam.....\$3.00 each    15 inch diam..... 5.00 each

### Pyramidal Shaped (in Tubs)

2½ ft. high.....each	\$3.00	4 ft. high.....each	\$6.00
3 ft. high.....each	4.00	5 ft. high.....each	10.00
3½ ft. high.....each	5.00		

### Tree Shaped

Attractive when placed along garden walks, under pergolas, on verandas, etc.

18 to 24 inch stems, 15 inch head.	Each, \$2.75.
18 to 24 inch stems, 18 inch head.	Each, \$3.50.

### Bush Shaped, Untrimmed

For filling window boxes, planting as specimens, etc.

	Each	Doz.
10 inches high.....	\$0.50	\$5.00
12 inches high.....	.60	6.00
15 inches high.....	1.00	10.00
18 inches high.....	1.25	12.50
24 inches high.....	2.50	25.00

**Boxwood Edging.** Splendid for lining garden walks, driveways, etc. Grows into value and adds an air of refinement not obtained with other hedge plants. Strong plants that will make an immediate effect.

6 to 8 in. high, 30c. each; \$3.00 doz.; \$20.00 per 100.

4 to 6 in. high, \$1.20 doz.; \$7.00 per 100; \$60.00 per 1000.

### PLEASE NOTE

We are in a position to furnish promptly all other varieties of Evergreens at right prices. Ask for list.



Pyramidal Box

### SPECIAL NOTICE ON GUARANTEE

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## MISCELLANEOUS EVERGREENS FOR LAWN AND GROUP PLANTING

**Abies Concolor** (Silver Fir of Colorado). Tree of graceful habit; broad, handsome foliage, bluish above, silvery beneath. 2 to 3 ft., \$5.00; 3 to 4 ft., \$7.50; 5 to 6 ft., \$12.00.

**Abies Nordmanniana** (Nordmann's Silver Fir). Slow growth, hardy, eventually large, dark green, massive foliage, silvery underneath, broad and compact. For planting as a specimen tree. 2 to 3 feet, \$6.00; 3 to 4 feet, \$7.50; 5 to 6 feet, \$12.00.

**Juniperus Japonica** (Japanese Juniper). A dense bushy grower, with light green and glaucous foliage. 3 to 4 feet, \$5.00.

**Juniperus Hibernica** (Irish Juniper). It is very useful in formal planting, screenings for small yards and cemeteries. 1 to 2 feet, \$1.25; 2 to 3 feet, \$2.50.

**Juniperus Virginiana Glauca** (Blue Virginia Cedar). Rich, silvery-blue foliage; keeps color well throughout the entire year. 2½ feet high, \$3.75; 3 to 4 feet, \$6.00.

**Juniperus Pfitzerianus**. A beautiful new form, with graceful dark green foliage. One of the most attractive of evergreens. 2½ feet high, \$4.50; 3 to 4 feet, \$6.00.

**Picea Canadensis** (Hemlock Spruce). A rapid grower, very hardy and not particular as to soil. If trimmed it becomes dense and bushy, making beautiful hedges. 2 to 3 feet, \$3.25; 3 to 4 feet, \$5.00; 4 to 5 feet, \$6.00.

**Picea Excelsa** (Norway Spruce). Rapid growing; does well in most soils. It is highly valued for shelters, windbreaks or hedges. 2 to 2½ feet, \$1.25; 2½ to 3 feet, \$2.00; 4 to 5 feet, \$3.75.

**Picea Kosteriana** (Koster's Blue Spruce). A deep rich blue. This is one of the finest ornamental evergreens ever introduced, and a specimen or two on the lawn adds dignity and beauty hard to describe. 1 to 1½ feet, \$3.25; 1½ to 2 feet, \$5.00; 2 to 3 feet, \$8.50; 4 to 5 feet, \$12.50 to \$20.00 each.

**Pinus Mughus** (Mugho Pine). Low growing, broad spreading tree. It is more of a large Pine bush than a tree, and is very ornamental. 1 to 2 feet, \$3.00; 2 to 3 feet, \$6.00.

**Retinospora obtusa nana**. A slow-growing dwarf variety. It is popular in Japanese gardens, and attracts much attention here. 12 to 18 inches, \$4.50; 18 to 24 inches, \$6.00.

**Retinospora plumosa aurea**. The most popular and generally useful of all the golden evergreens. Especially ornamental, and the soft plume-like golden foliage is particularly bright in spring. A vigorous grower and unsurpassed for color effect. 12 to 18 inches, \$1.25; 2 to 3 feet, \$3.50; 3 to 4 feet, \$5.00; 4 to 5 feet, \$7.50.

**Taxus baccata** (English Yew). A densely branched spreading bush of a dark sombre hue; one of the best evergreens for clipping into artificial forms. 2 to 3 feet, \$4.50; 3 to 4 feet, \$10.00.

**Taxus cuspidata brevifolia**. The branches are spreading and the general aspect is less dense than the common Yew. Perfectly hardy. 1½ feet, \$4.50; 2 feet, \$5.50.

**Thuja occidentalis** (American Arborvitae). A well-known popular evergreen for ornamental hedges; rapid growth. 2 to 3 feet, \$1.25; 3 to 4 feet, \$2.50; 5 to 6 feet, \$4.50.

**Thuja occidentalis pyramidalis** (Pyramidal Arborvitae). The most narrow, columnar-like evergreen, medium growth, very distinct light green; compact foliage. Very effective in landscape work. 18 to 24 inches, \$1.25; 2 to 3 feet, \$2.50; 3 to 4 feet, \$3.75.

**Thuja orientalis elegantissima** (Biota orientalis). Medium size, upright pyramidal torch-like form, foliage flaky, tipped with yellow, giving it a bright golden color all summer and autumn, and turning bronze brown in winter. 2 to 3 feet, \$3.25; 3 to 4 feet, \$6.00; 4 to 5 feet, \$8.50.

**Thuja occidentalis compacta** (Compact Arborvitae). Dwarf, dense little evergreens, having light green foliage and neat attractive habit. For beds, borders, cemeteries, or house decoration it is highly popular. 12 to 18 inches, \$1.25; 2 to 2½ feet, \$2.50.

# 158 MICHELL'S DECIDUOUS SHADE TREES for Street, Lawn, Garden

**Beech (Purple)** *F. sylvatica purpurea*. The foliage in spring is a deep purple, changing later in the season to green. Should be closely pruned when transplanted. 4 to 5 feet, \$3.00; 5 to 6 feet, \$5.00.

**Beech (Purple Rivers)** *F. sylvatica Riversii*. When a large-growing tree with purple foliage is wanted, nothing equals this. The leaves are always a rich shade, sometimes crimson and sometimes almost black. 4 to 5 feet, \$3.50; 6 to 8 feet, \$6.00.

**Beech (Weeping)** (*Fagus sylvatica pendula*). Irregular in outline, and has a picturesque beauty peculiar to itself. Its twisted and contorted branches resemble living fountains of foliage. 4 to 5 feet, \$6.00; 8 to 10 feet, \$12.00.

**Birch (Cut-Leaved Weeping)** *Betula alba laciniata pendula*. Tall, slender, with graceful drooping branches, silvery-white bark and delicately cut foliage. 8 to 10 feet, \$3.00; 10 to 12 feet, \$3.75.

**Birch (Young's Weeping)** *B. Youngi pendula*. Droops gracefully to the ground in fine, thread-like shoots. One of the most beautiful of the Weeping Birches. 4 to 5 feet, \$5.00; 5 to 6 feet, \$7.50.

**Dogwood (Red Flowering)** *Cornus florida rubra*. The flowers, which appear early in May before the leaves, are of a deep rosy-pink color, producing a perfect drift of bloom. Foliage large, velvety, dark green in summer and brilliant crimson in fall. 2 to 3 feet, \$3.00; 3 to 4 feet, \$4.00.

**Dogwood (White Flowering)** *C. florida*. Similar to the red-flowering in habit of growth, though attaining larger proportions. A mass of conspicuous white flowers in spring. 4 to 5 feet, \$2.00; 5 to 6 feet, \$2.50.

**Elm (American)** *Ulmus Americana*. One of the finest street shade trees in the world. 8 to 10 feet, \$2.00; 10 to 12 feet, \$3.00.

**Horse Chestnut** (*Aesculus hippocastanum*). The flowers are large, white, spotted with purple and produced in large, compact spikes. A fine shade tree. 8 to 10 feet, \$2.50; 10 to 12 feet, \$3.75.

**Larch (European)** *Larix decidua*. A conifer with deciduous needle-like leaves; bright green very early in spring, and clear yellow in autumn. 4 to 6 feet, \$2.50.

**Linden (American)** *T. Americana* (Basswood). The largest-growing Linden. Suitable for parks or streets. When in blossom, its yellow flowers are intensely fragrant. 8 to 10 feet, \$3.25; 10 to 12 feet, \$4.50.

**Linden (European)** *Tilia Europaea*. Leaves smaller and darker than those of the American Linden, forming a dense shade. Adapted to lawn or avenue. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.50.

**Magnolia Conspicua**. In habit of growth similar to Soulangeana, large, pure white flowers, which are produced in great abundance. 2 to 3 feet, \$5.00; 3 to 4 feet, \$6.00.

**Magnolia Soulangeana**. A low spreading tree, covered early in the spring before the leaves appear with large flowers, purple at the base and white in the upper half of the petals. 3 to 4 feet, \$2.75; 4 to 5 feet, \$6.00.

**Maple (Silver)** *Acer dasycarpum*. Of rapid growth; extensively planted for ornament and shade. 10 to 12 feet; \$2.00; 12 to 14 feet, \$3.50.

**Maple (Japanese)** *A. palmatum Atropurpureum*. The Japan Maple is unsurpassed for ornamental purposes, the blood-red foliage making it strikingly handsome. Trees are dwarf in habit, seldom attaining a height of more than a few feet. 2 feet, \$1.75; 3 feet, \$3.50.

**Maple (Norway)** *A. platanoides*. One of the finest park, street, shade or lawn trees in America; of rounded form, compact habit, stout, vigorous growth. 8 to 10 feet, \$2.00; 10 to 12 feet, \$3.00; 12 to 14 feet, \$5.00.

**Maple (Sugar)** *A. saccharum*. Its upright habit of growth, dense shade and adaptability to different soils have rendered it one of the most extensively used. The autumn effect of the foliage is particularly handsome. 10 to 12 feet, \$2.50; 12 to 14 feet, \$5.00.

**Mountain Ash** *Sorbus Aucuparia*. A handsome native tree. In autumn and early winter the tree is clothed with large clusters of red berries. 8 to 10 feet, \$3.00.

**Mulberry (Teas' Weeping)** *Morus alba pendula*. Forms a perfect umbrella-shaped head, with slender, willowy branches, drooping to the ground. 2-year heads, \$4.00; large specimens, \$6.00.

**Oak (Scarlet)** *Quercus coccinea*. A large, well-shaped tree; in the fall the foliage changes to a brilliant scarlet. 7 to 8 feet, \$3.00; 8 to 10 feet, \$4.00.

**Oak (Pin)** *Q. palustris*. Foliage deep green and finely divided. The leaves become of a scarlet and yellow color in autumn. It thrives in almost any soil. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.00; 12 to 14 feet, \$6.00.

## SPECIAL NOTICE ON GUARANTEE

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Norway Maple

**Plane (Oriental)** *Platanus orientalis* (Buttonwood). A favorite tree for avenue and seashore planting, of large spreading habit and rapid growth; not affected by insects. Leaves large, smooth and handsome, affording abundant shade. 8 to 10 feet, \$2.50; 10 to 12 feet, \$3.00; 12 to 14 feet, \$4.00.

**Poplar (Carolina)** *Populus monilifera*. Good in almost any location, thriving at the seashore in poor, sandy soil. 10 to 12 feet, \$2.00.

**Poplar (Lombardy)** *P. nigra fastigiata var. Italica*. Its tall form, sometimes reaching 120 feet, makes it indispensable in landscape effects for breaking monotony of outline. 8 to 10 feet, \$2.00; 10 to 12 feet, \$2.50; 14 to 16 feet, \$3.50.

**Pyrus** (Bechtel's Double-flowering Crab). The tree is of medium growth, and the flowers of immense size, of a beautiful pink color, are highly fragrant. Very double. 2 to 3 feet, \$2.50; 3 to 4 feet, \$3.00.

**Salisburia** (Maiden Hair Tree). One of the oddest and most peculiar of all hardy exotic trees. Its leaves are deciduous, fan-shaped, broad and notched, resembling those of the Maiden Hair Fern. 6 to 8 feet, \$2.00; 8 to 10 feet, \$3.00.

**Sweet Gum** (*Liquidambar styraciflua*). A rapid-growing tree, thriving in a great variety of soils. The leaves are roundish, but with five to seven pointed spreading lobes. In autumn they assume a rich bronze and crimson. 6 to 8 feet, \$2.50; 8 to 10 feet, \$3.50.

**Tulip Tree** (*Liriodendron tulipifera*). A popular native deciduous tree, sometimes attaining a height of seventy-five to one hundred feet. 6 to 8 feet, \$1.50; 10 to 12 feet, \$3.25.

**Umbrella Tree** (*Catalpa Bungei*). For the lawn the *Catalpa Bungei* is very effective. Has a dense, perfect, half-globular or umbrella-shaped head, high on a straight upright stem. A striking and very ornamental tree upon the lawn. On the terraces when used in connection with the California Privet hedge the effect is most pleasing. Price, 6 to 7 feet stems, 1-year heads, \$1.50 each; 6 to 7 feet stems, 2-year heads, \$3.00 each; 6 to 7 feet stems, 4-year heads, \$6.00 each.

**Weeping Willow** (*Salix Babylonica*). This is the well-known Weeping Willow, whose long, pendulous branches droop so gracefully, and sway to the lightest breeze. Grows well in wet or dry places. 8 to 10 feet, \$2.00; 10 to 12 feet, \$3.00.



Catalpa or Umbrella Tree



Every garden should have some space reserved for small fruits. None bought in the market can compare with those picked fresh by yourself when you want them. Any surplus that cannot be consumed may be put up for winter use.

## BLACKBERRIES (Extra Strong Plants)

Blackberries thrive most anywhere. The plants are subject at times to attacks of rust, particularly during prolonged wet spells in summer. A spraying, especially underneath the foliage, with copper solution, usually arrests this. However, if the disease spreads too much, it is best to dig up the bushes, burn them and plant new ones in another part of the garden. If they are sprayed before being affected it is the best plan.

**Eldorado.** A very vigorous grower, free from mildew or rust, enormously productive; fruit large, excellent quality, without core.

**Mersereau.** Remarkably strong grower. An enormous producer of extra size berries which are brilliant black and retain their color under all conditions; sweet, without core. Unsurpassed as a shipper and keeper.

**Ohmer.** Canes hardy; fruit very large; of excellent quality; firm, with no core, and sweet before soft or fully ripe.

**Rathbun.** Fruit is of enormous size, single specimens measure sometimes one and three-quarters inches in length; firm and sweet, with no core. Plant is very hardy.

Price of Blackberries, 60c. doz.; 100, \$3.00; \$27.50 per 1000.

Note.—If Blackberries are desired by Parcel Post allow 5 lbs. per dozen for postage, as we send out only extra strong plants which generally bear some the first season.

## CURRANTS (Extra Strong Plants)

Currants like good, rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

**Black Naples.** Fruit varies from small to large, averaging medium; strong flavor. An old and well-known variety.

**Cherry.** Bush vigorous, stoeky and compact; cluster rather short, with short stems; fruit averages large; color fine, bright red. One of the most productive of the large currants.

**Fay's Prolific.** Not quite so strong a grower as Cherry; cluster medium to long, with rather long stems; color darker than Cherry.

**Red Dutch.** An old and well-known standard variety; clusters average about three inches long; berries medium in size, dark red. 20c. each; per doz., \$1.50; \$8.00 per 100.

Price.—Any of the above varieties of Currants, strong 2-year-old, 20c. each; per doz., \$1.50; \$8.00 per 100.

Note.—If Currants are desired by Parcel Post, add 15c. per doz. for postage.

## GOOSEBERRIES (Extra Strong Plants)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

**Downing.** Fruit medium to large, whitish green; flesh soft, juicy.

**Industry.** An English variety quite hardy here; it is a great producer of large red berries.

**Red Jacket.** Of American origin, possessing all the good qualities of the English type, and withstanding our severe climatic conditions with impunity. A wonderful cropper, with clean healthy foliage.

**The Pearl.** Large pale green fruit of exceptional quality; very sweet.

Price of Gooseberries, 20c. each; doz., \$2.00; \$15.00 per 100.

Note.—If Gooseberries are wanted by Parcel Post, please add 25c. per doz. for mailing charges.

## SPECIAL NOTICE ON GUARANTEE

We spare no efforts to supply "small fruit" bushes of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee these and trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of planting.

Note.—Owing to the peculiar laws of Florida concerning the shipping of nursery stock into that State, we regret WE ARE UNABLE TO ACCEPT ORDERS FOR NURSERY STOCK OF SMALL FRUITS FOR SHIPMENT WITHIN THE STATE OF FLORIDA.

## GRAPE VINES

A few of these planted in the garden several years after will yield abundant crops, and they last for years with little attention except pruning and spraying.

**Caco.** The most delicious of all Grapes—perfectly hardy, has been pronounced by America's most expert grape growers to equal in high quality and melting texture the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent. The large berry is wine-red. Bunch of good size, compact and of good form. Ripens ten days to two weeks in advance of Concord; rich in sugar, excellent in flavor. Vine a very strong, vigorous grower, healthy and prolific. 35c. each; doz., \$3.50.

**Campbell's Early.** A valuable and delicious grape; vine very strong, hardy and vigorous, with thick, healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich, delicious.

**Catawba.** Delicious flavor, medium size red berry.

**Concord.** The well-known standard purple variety, succeeds wherever grapes will grow.

**Delaware.** Bunches and berries rather small; light red; juicy.

**Green Mountain.** A very early grape of the best quality; of medium size; color, greenish-white; almost melting in the mouth; vine vigorous, healthy and productive. 50c. each; per doz., \$5.00.

**Moore's Diamond.** A strong healthy grower, hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

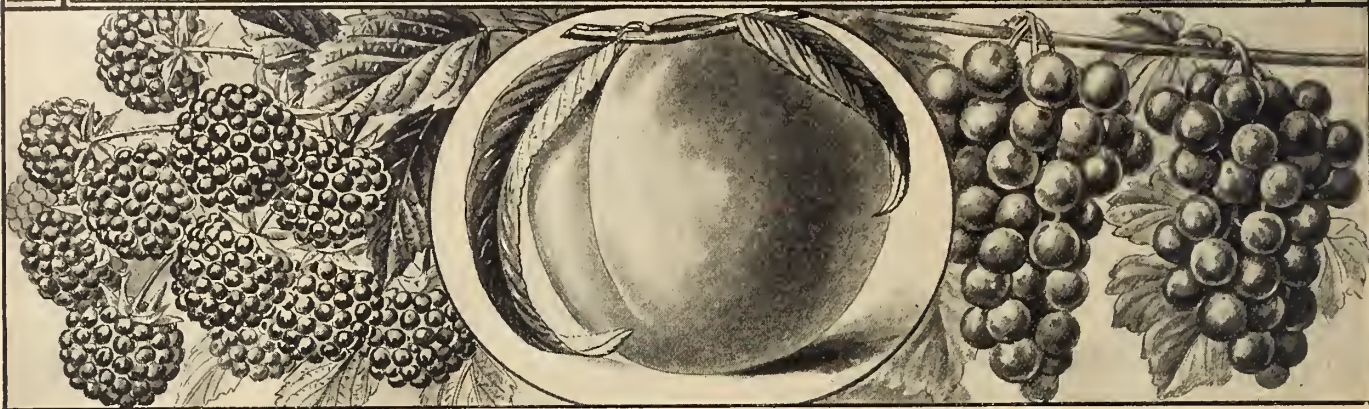
**Moore's Early.** Berry large, with heavy blue bloom. Vine exceedingly hardy; desirable for early.

**Niagara.** An unusually strong grower; bunches very large and compact, berries large, light greenish-white, semi-transparent, has very little pulp and is sweet to the centre.

**Wyoming.** Vine very hardy, healthy and robust. One of the most beautiful of the amber or red grapes, and in size nearly double that of the Delaware. Flesh tender and sweet, with a strong native aroma. Ripens before Delaware.

Prices—2-year-old vines, except where noted, 30c. each; doz., \$3.00; \$18.00 per 100. Extra strong 3-year-old vines, which generally bear the following season, 50c. each; doz., \$5.00; \$30.00 per 100. If Grape Vines are wanted by mail, add 5c. each for postage charges.

SHIPPING SEASONS for small fruits are from March 25th to May 15th and October 15th till freezing.



### RASPBERRIES (Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

**Brilliant.** Ripens its fruit early and fast, producing bright, glossy, brilliant red berries. Per 100, \$1.00; \$30.00 per 1000.

**Cumberland (Blackcap).** The largest raspberry known. Selected specimens measure an inch in diameter, immensely productive. Season a little in advance of Gregg.

**Cuthbert.** Berries very large, measuring 3 inches around; conical; rich crimson.

**Golden Queen.** Berries are large, of beautiful bright yellow, of excellent quality; medium to late.

**Gregg (Black).** Large, firm, of good quality, ripening late. Exceedingly productive.

Price of any of the above Raspberry Plants (except where noted): 60c. per doz.; \$3.00 per 100; \$27.50 per 1000. If Raspberries are wanted by parcel post, add 10c. per dozen for charges.

### EVERBEARING RASPBERRY "RANERE"

This yields its first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August and continues bearing right up to November.

It thrives equally well on sandy and heavy soil. The fruit is large, of a beautiful crimson color, very sweet and juicy and is borne in great abundance, and does not seem to sunscald as easily as other sorts. A photo was made of a stalk which had by actual count 169 berries on one stem, this will give some idea of its free fruiting qualities.

We will send out strong plants, which, from our experience in the past, should bear the first season.

Price, 60c. per doz.; per 100, \$3.00; \$27.50 per 1000.

If wanted by mail, add 10c. per doz. for postage.

### STRAWBERRY PLANTS

(Extra Strong Layers)

Ready from April 1st to May 15th.

#### EARLY VARIETIES

Early Jersey Giant, Early Ozark, Senator Dunlap, Success, Wildwood.

#### MID-SEASON VARIETIES

Bubach, Big Joe, Heritage, Marshall, Nick Ohmer, Rewastico.

#### LATE SEASON VARIETIES

Late Jersey Giant, Brandywine, Gandy, Glen Mary, Sharpless, Stevens' Late Champion, Chesapeake, Wm. Belt.

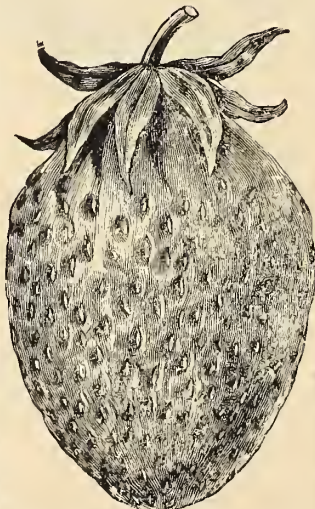
Price of the above, 25c. per doz.; \$1.50 per 100; \$10.00 per 1000.

#### FALL FRUITING VARIETIES

Progressive and Superb. 40c. doz.; 100, \$2.50; 1000, \$22.50.

If layer Strawberry Plants are wanted by mail, add 5c. per doz. and 15c. per 100 for mailing charges.

Pot-Grown Strawberry Plants ready about August 1st. Price on application.



Heritage

### CHOICE FRUIT TREES (Extra Strong Stock)

These can be shipped by express only.

#### APPLES

**Baldwin.** Large round, deep red; late variety.

**Ben Davis.** A late keeper; handsome striped fruit.

**Grime's Golden.** Deep golden yellow; fine for Christmas.

**Hyslop (Crab).** Deep crimson with blase bloom.

**Maiden's Blush.** Clear pale yellow, red cheek; fine.

**Smokehouse.** Yellow striped, bright red; crisp and juicy.

**Stayman's Winesap.** Fine variety, good keeper, deep red on a yellow ground.

**Transcendent (Crab).** Yellow striped, red; good yielder.

Price of Apple Trees: 6 to 8 ft. high, \$1.00 each; doz., \$7.50.

#### APRICOTS

**Alexander.** Orange yellow with faint blush; firm, coarse flesh.

**Catherine.** Early, oblong shaped, rich orange with red cheek.

**J. L. Budd.** Early light orange, similar to Catherine.

Price of Apricots: 75c. each; doz., \$7.50.

#### CHERRIES

**Black Tartarian (Sweet).** Large, purplish black; immense bearer.

**Early Richmond (Sour).** Dark red, medium size; splendid flavor.

**Governor Wood (Sweet).** Light yellow, shaded bright red.

**Large Montmorency (Sour).** Light red; very productive.

**Windsor (Sweet).** Large liver colored; fine fruit.

Price of Cherry Trees: 5 to 7 feet, \$1.00 each; doz., \$7.50.

#### PEACHES

**Belle of Georgia.** Free-stone, rich creamy white; red cheek.

**Carman.** Early, pale yellow red blush; very fine.

**Crawford's Late.** Greenish yellow with dull red cheek.

**Elberta.** Medium, very large, yellow with red cheek.

**Mountain Rose.** Early, white with red cheek; free-stone.

**Stump the World.** White with red shading; free-stone.

Price of Peach Trees: 5 to 6 feet, 60c. each; doz., \$5.00.

#### PEARS

**Bartlett.** Yellow, shaded blush; very sweet and juicy; early.

**Kieffer.** A fine variety for late autumn and for canning.

**Lawrence.** Canary yellow, sweet and a splendid keeper.

**Seckel.** Small, yellowish brown; very sweet and juicy.

Price of Pears: 5 to 7 ft., \$1.00 each; doz., \$7.50.

#### PLUMS

**Abundance.** Amber, turning to a rich bright cherry color.

**Burbank.** Orange yellow, overlaid red, rich and sugary.

**Hale.** Bright orange yellow, mottled cherry red.

Price of Plums: 5 to 6 ft., \$1.00 each; doz., \$7.50.

#### QUINCES

**Champion.** Very prolific bearer; large fruit.

**Meech.** Large fruit, bright orange yellow; bears young.

**Orange.** Round, golden yellow; fine for preserving.

Price of Quinces: 4 to 5 ft. trees, \$1.00 each; doz., \$7.50.

#### NUT TREES

**Almond (Hard Shell).** Strong trees, 4 to 5 ft., \$1.00 each; doz., \$7.50.

**Chestnut (Paragon).** Grafted trees, 4 to 6 ft., \$2.00 each.

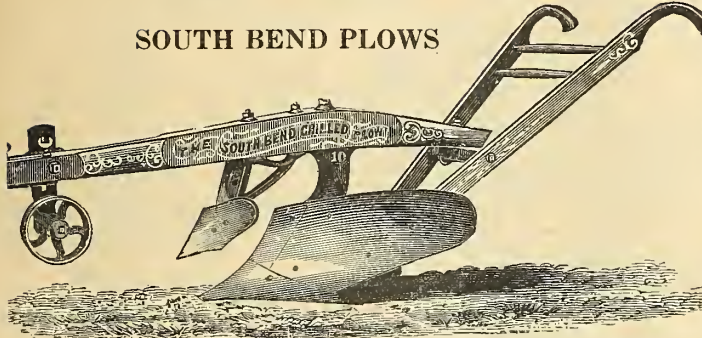
**Chestnut (Ridgely).** Grafted trees, 4 to 6 ft., \$2.00 each.

**Walnut (Black).** Strong, 4 to 5 ft. trees, \$1.00 each; \$10.00 doz.

**Walnut (Persian).** Strong, 4 to 5 ft. trees, \$1.00 each; doz., \$10.00.

**NOTICE.**—We can also supply all other varieties of Fruit and Nut Trees.

## SOUTH BEND PLOWS



The South Bend Plow is one of the most popular and efficient makes on the market today. For private garden, farm or truckers' work it meets every requirement; made of chilled steel in various sizes to meet all conditions.

- No. 1 B. Wood beam plain, one-horse ..... \$10.00
- No. 2 F. Wood beam plain, 1-horse, heavy; or 2-horse, light 13.00
- No. 3 A. Wood beam plain, two-horse ..... 17.00
- No. 4. Wood beam plain, two-horse, heavy..... 21.00

The No. 2-3-4 SB Plows can be equipped with wheel and jointer at the following additional cost: Wheel only for No. 2 F, \$1.75; wheel for No. 3 and No. 4, \$2.00; jointer only, \$3.50. Prices named above are for plain plow.

### PRICE LIST OF SOUTH BEND PLOW PARTS

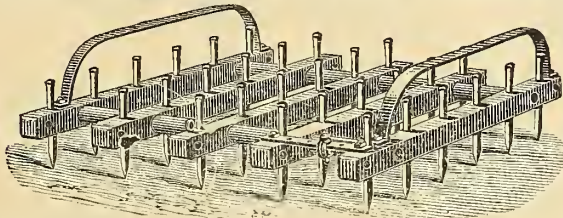
	Shares	Mould-boards	Beams	Handles	Jointer-points	Land-sides
No. 1B	\$0.50	\$2.50	\$2.25	\$2.00		\$0.80
No. 2F	.60	3.75	2.50	2.25	\$0.35	1.25
No. 3 A	.70	4.75	2.75	2.25	.35	1.50
No. 4	.75	5.50	3.25	2.50	.35	1.75

## SINGLE AND DOUBLE TREES



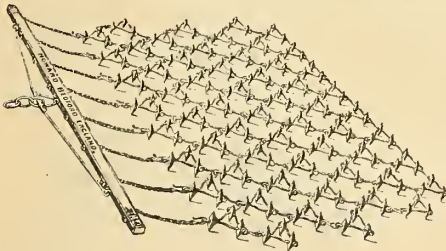
- Wood Single Trees, 24 inches, hooks or rings. Price..... \$1.00
- Wood Single Trees, 28 inches, hooks or rings. Price..... 1.25
- Wood Double Trees, heavy, No. 2, hooks or rings. Price..... 3.50
- Steel Single Trees, 24 inches, hooks or rings. Price..... 1.50
- Steel Double Trees, 33 inches, No. 0, hooks or rings. Price... 5.00

## GARDENERS' SPIKE TOOTH HARROWS



Though old-fashioned in appearance and construction, this harrow is still preferred by many; fitted with runners, upon which it may be turned to take it from place to place.  
 Price, 24 teeth.....\$10.00      Price, 32 teeth.....\$11.00

## SCOTCH CHAIN HARROW



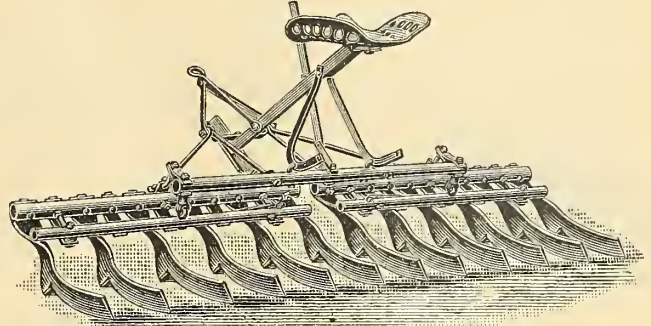
One of the best implements for pulverizing the surface soil, leveling and smoothing, and is also splendid for covering grass seeds, etc. Used on driveways and race tracks, it smoothes the surface, eliminating ruts and footprints.

- |   | Weight   |         |
|---|----------|---------|
| No. 1F. One-horse size, 5x6 feet.....       | 126 lbs. | \$22.00 |
| No. 2F. Medium two-horse, 6x7½ feet .....   | 236 lbs. | 32.00   |
| No. 3F. Full two-horse size, 9x11 feet..... | 357 lbs. | 38.50   |

## IMPORTANT NOTICE

The attention of our patrons is called to prices. Those listed in this catalog were in effect at the time of printing, but like most everything they are subject to such advance or change as may be necessary by reason of such changes the manufacturers of the goods offered in this catalog may make. We will, however, do our best to avoid any increases.

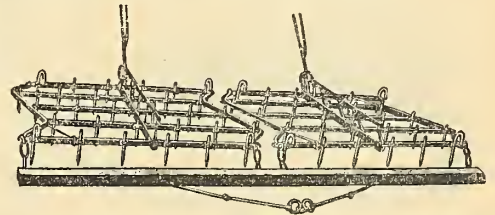
## ACME PULVERIZING HARROW



This will be found by those having a large acreage an indispensable implement for pulverizing and crushing the ground so thoroughly as to give it the appearance of being done by hand.  
 No. 23. Price, 6 ft. covering area, 2-horse.....\$30.00  
 No. G. Price, 3 ft. covering area, 1 horse..... 17.00  
 Extra blades, 75c. each.

## IRON AGE SPIKE TOOTH HARROWS

These are equipped with a lever for lessening or increasing the depth of cultivation and are adjustable instantly. The teeth are equipped so as to readily pass any obstruction in the soil.



No.	Teeth	Sections	Price
1255	25	1	\$12.00
1305	30	1	13.00
2501	50	2	22.75
2601	60	2	24.75

## IRON AGE SPRING TOOTH HARROWS

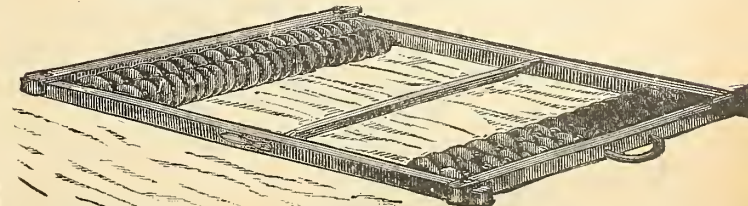
Splendid for breaking up clods after plowing prior to working the land up into a fine seed bed.

No.	Teeth	Sections	Size	Price
5215	15	2	5 ft. 4 in.	\$29.25
6217	17	2	6 ft.	31.50

## IRON AGE DISC HARROWS (2 Horse)

No.	Discs	Diam.	Cut	Price
816	8	16 in.	¼ ft.	\$54.00
1016	10	16 in.	5 ft.	58.25

## THE MEEKER DISC HARROW



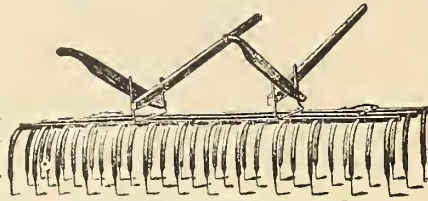
A splendid soil pulverizer, rendering it as fine as though done with a rake.

- | No.   | Discs | Price   |
|---|-------|---------|
| No. 1. 4 ft. 6 in. x 4 ft.—8 in. discs..... |       | \$32.00 |
| No. 2. 6 ft. 8 in. x 6 ft.—8 in. discs..... |       | 40.00   |
| No. 3. 8 ft. x 6 ft.—8 in. discs.....       |       | 50.00   |
| No. 4. 8 ft. x 6 ft.—10 in discs.....       |       | 60.00   |

# MICHELL'S FARM AND GARDEN TOOLS

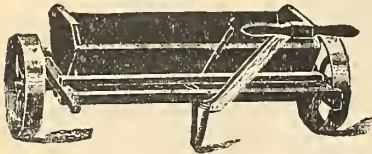
## No. 7. KEYSTONE WEEDER

Surface cultivation stirs the soil, keeps down weeds and prevents evaporation of moisture. It can be adjusted to cover a 7½-foot stretch or graduated down to a 2½-foot stretch. Any of the teeth can easily be removed, if it is desired not to cultivate very finely. The teeth are narrow, go into the soil easily; do not cultivate deep, like other machines. This tool is excellent for preparing a piece of ground prior to sowing lawn seed, etc. Equipped for one horse. Price, \$16.00.

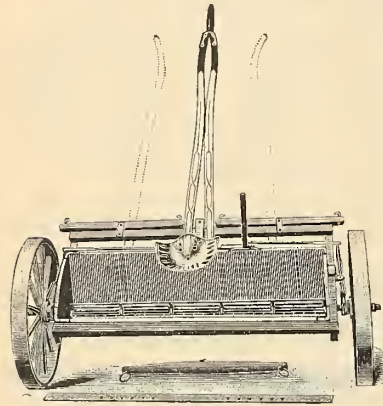


The Keystone Adjustable Weeder

## THE STEVENS FERTILIZER DISTRIBUTORS

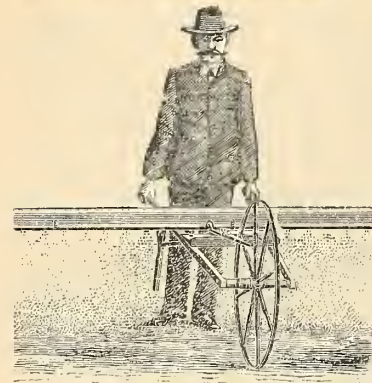


For distributing bone meal, wood ashes and other commercial fertilizers on fields, lawns, golf courses, etc., also for sanding putting greens. Insures perfect and even distribution, requiring less time than by the broadcast hand process. **Hand Machine** holds about 1¼ bu., covering area 3 ft. wide. Nicely finished. Price \$15 f. o. b. Philadelphia.



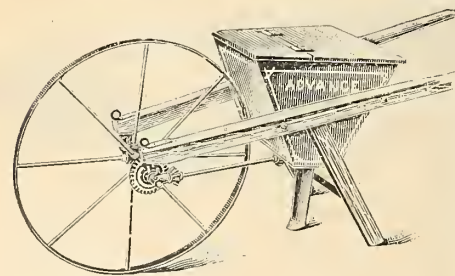
**Horse Machine.** For use on large lawns, fields and golf grounds. It has a device for regulating the quantity to be sown. It is equipped with broad tires, which do not readily cut into the ground. Equipped for either one or two horses, as may be desired. 5-ft. 10-in. spreading area, \$50.00; 8-ft. 3-in. spreading area, \$55.00.

## Prices f. o. b. factory. WHEELBARROW GRASS SEEDER



This machine is now largely used for distributing grass and other seeds over large areas. The distributing box is very near the ground, which is an important feature, preventing the seed from blowing away and thus coming up unevenly. No. 9 (especially for Grass Seed), \$10.00. No. 5. \$9.00. These seeders sow an area 14 ft. wide.

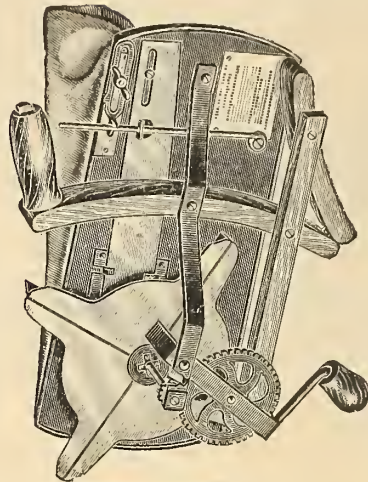
## Fig. 56 "ADVANCE" DRILL



A shut-off, to prevent the escape of fertilizer when wheeling around end of row, is a late improvement; being one of those little things which go far, however, in making a tool valuable. A first-class machine for the drilling of peas, corn and fertilizer. Price, each \$10.50.

for the drilling of peas, corn and fertilizer. Price, each \$10.50.

## BROADCAST SEED SOWERS

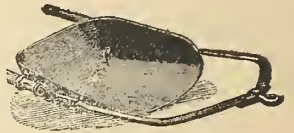


Rittenhouse Seeder

## ROAD SCOOPS

For dragging soil from one place to the other, grading, etc.

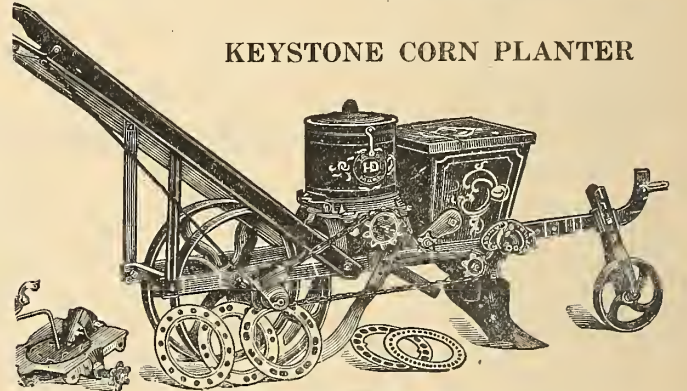
- 1L. 7-ft. .... \$18.50
- 2L. 5-ft. .... 16.50
- 3L. 3-ft. .... 15.00



Cahoon Seeder

For accurately sowing Timothy, Clovers, Millets and heavy seeds of grass and other farm crops. Can be regulated to sow any required quantity per acre. **Cahoon Make**, each \$4.00 **Rittenhouse**, each ... 2.00

## KEYSTONE CORN PLANTER



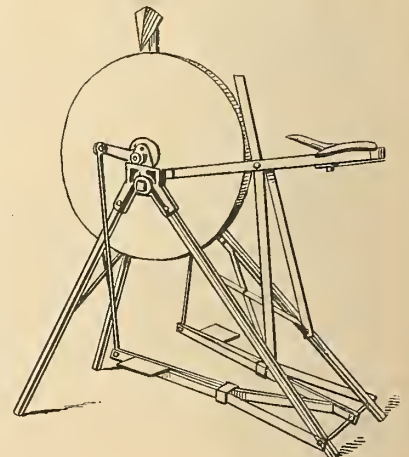
Keystone Corn Planter

**No. 6½.** This is operated with one horse, and will plant from 10 to 12 acres per day in either hills or drills, as desired. Equipped with a Fertilizer attachment, which operates very accurately. It will also plant peas, beans, mangels, or other seeds, when equipped with proper regulating rings which we can furnish at 35c. each. Price, complete, without extra crop rings, \$25.00. Without fertilizer attachment, \$16.00.

## STERLING MOUNT-ED GRINDSTONE

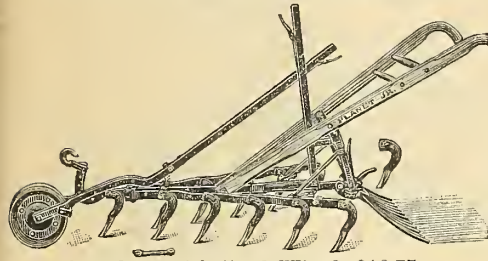
Strong, easy running, substantially made, heavy steel frame, securely braced, with seat and double treads, cranks and crank shaft, fitted with improved ball bearings, encased so they will keep clean. The balls cannot work loose or drop out, and the bearings are of the very best quality. They are practically frictionless. Stone, 19 to 22 inches diameter, 1¾ to 2¼ inches thick.

Weight, 100 lbs. Shipped knocked down, crated. Price, \$7.25.



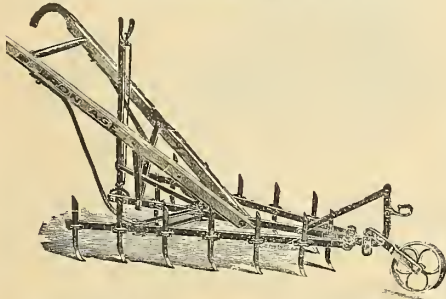


## PLANET JR. TWELVE-TOOTH HARROW, CULTIVATOR AND PULVERIZER



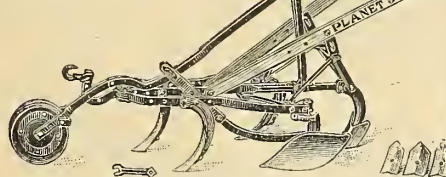
Complete, with Steel Wheel, \$16.75.  
 Without Pulverizer, \$13.75.  
 Without Pulverizer or Wheel, \$10.50.  
 With the Twelve-Tooth Harrow here shown, you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil, mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches.

## IRON AGE DIAMOND TOOTH HARROW AND CULTIVATOR No. 1014 E. P.

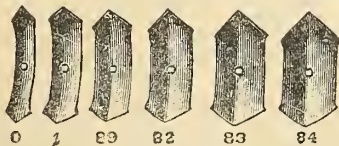


The teeth are diamond shape, with a small cultivator tooth forged on one end—steel, of course. For very close work, every other tooth can be quickly removed. Cultivating width when equipped with lever expander, 34 inches; with plain expander in place of lever expander, 38 inches.  
 No. 1014 EP. Complete, as in cut... \$10.50  
 No. 1014 E. Without wheel, with lever 9.50  
 No. 1014. Without wheel or lever... 8.00

## No. 8 PLANET JR. HORSE HOE AND CULTIVATOR

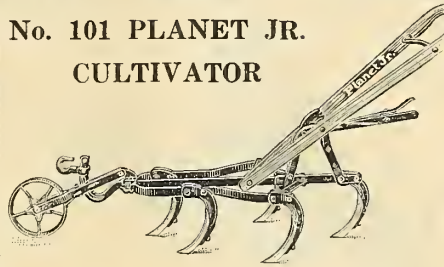


Made of steel throughout. The lever wheel and depth regulator enable the operator to increase or lessen the depth of tilling by the mere stroke of the arm. The side or covering steel and shovel which is in the rear may be taken off and the arms so turned that when the extra teeth, which accompany the machine, are attached, it presents a perfect five-toothed cultivator. Price, \$16.75.



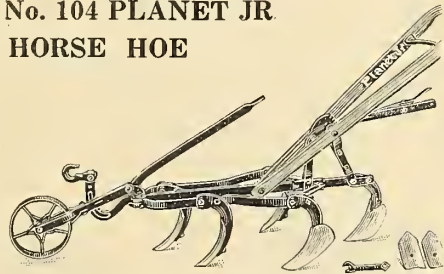
Iron Age Cultivator Teeth  
 (See Prices Opposite)

## No. 101 PLANET JR. CULTIVATOR



The latest Planet Jr. Plain Cultivator with improved expander. Light in weight, but very strong. A tool that will give universal satisfaction.  
 Price, \$11.25; weight, 46½ lbs.  
 Price without wheel, \$9.75.

## No. 104 PLANET JR. HORSE HOE



A new light, strong combined Horse Hoe and Cultivator with lever wheel and lever expander. It has all the qualities of the older model Planet Jr. Horse Hoes, though lighter and better adapted to many kinds of work where a heavy tool is not necessary. Price, complete, \$8.25; without wheel, \$6.75.

## No. 83 PLANET JR. CULTIVATOR



Many gardeners like the 7-tooth cultivator, because it prepares the soil better than does the five-tooth machine. A tool that will give entire satisfaction. Price, complete with steel wheel, \$13.75. Without wheel, \$11.75.

### PLANET JR. CULTIVATOR TEETH

Width	Price
1¼ inch	\$.20
1¾ inch	.22
2¼ inch	.24
3 inch	.28
4 inch	.32

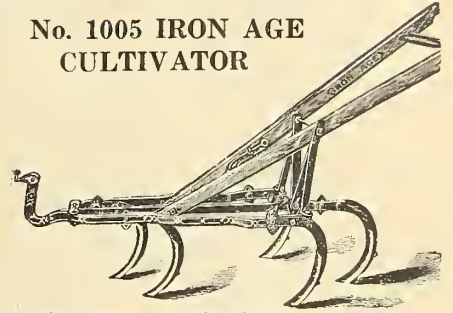
Bolts extra, 5c., 50c. doz.

### IRON AGE CULTIVATOR TEETH

0—1¼-in....	\$0.16	82—3 -in....	\$0.24
96—1½-in....	.18	83—3½-in....	.26
1—2 -in....	.20	84—4 -in....	.38
89—2½-in....	.22	68—4 -in....	.28

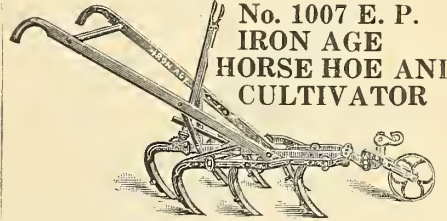
Bolts for Teeth, 5c. each; per doz., 50c.

## No. 1005 IRON AGE CULTIVATOR



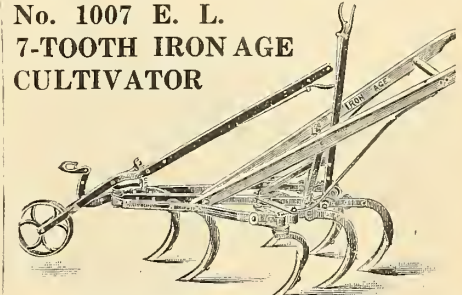
Price, as in cut, \$6.50; with plain wheel, \$7.50; with lever expander, \$5.25; with lever and wheel, \$9.00.

## No. 1007 E. P. IRON AGE HORSE HOE AND CULTIVATOR



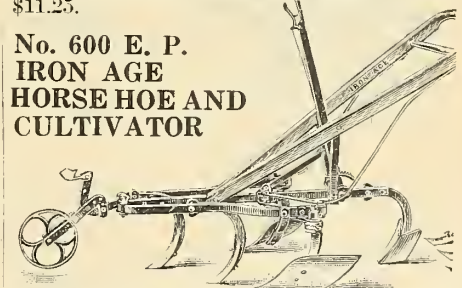
One of the best of the 7-tooth Iron Age equipments. If it is desired to use this machine with less teeth than accompany it, any excess may be easily detached. Price, as in cut, \$10.50.

## No. 1007 E. L. 7-TOOTH IRON AGE CULTIVATOR



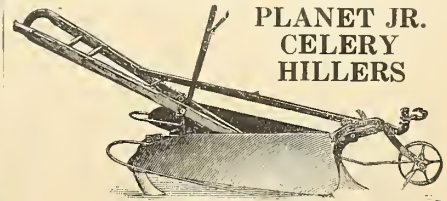
The lever wheel regulates the depth; the expanding lever the width of cultivation. May be used as a five-tooth machine by merely unbolting two teeth and arms. Price, \$11.25.

## No. 600 E. P. IRON AGE HORSE HOE AND CULTIVATOR



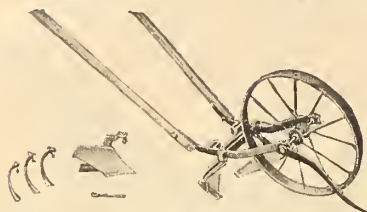
Equipped with side steels or covers, which can easily be detached, and the regular cultivator teeth, which accompany each implement, attached. Price, \$11.50.

## PLANET JR. CELERY HILLERS



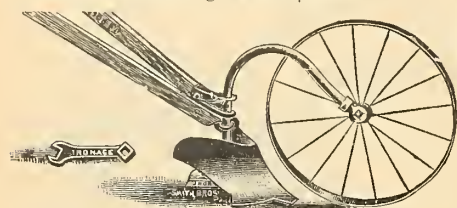
Single, for hilling one side of the row.  
 Double, for hilling one side of 2 rows. Price, double style, \$26.75; single style, \$19.25.

# IRON AGE FARM AND GARDEN TOOLS



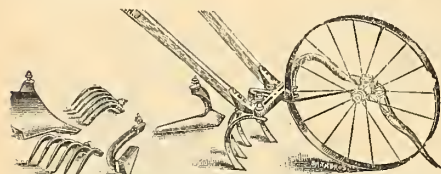
## No. 320R I. A. SINGLE WHEEL HOE

This is a new addition to the Iron Age line and regarded as an improvement on the No. 9 machine which has been discarded. Price as per cut, including rakes, \$8.50.



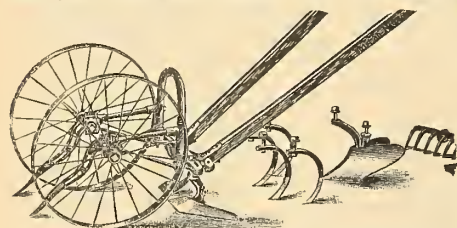
## No. 11 WHEEL PLOW

The work of hilling up crops in the garden by the old method is acknowledged difficult by any one who has tried it. Not only will the Wheel Plow do this work with less effort and more rapidly, it also does it much better. Price, \$4.25.



## No. 12 WHEEL HOE AND PLOW

This tool is a most desirable one for the family garden and truck patch. Price, \$5.50.



## No. 301R IRON AGE DOUBLE WHEEL HOE

Double Wheel Hoes will work complete both sides of a row with safety, and the entire soil gets thoroughly loosened without the least possible injury to the plants. The high centre arch enables this type of machine to be used where others would not be so practical. Two rakes not shown accompanying this tool. Price, \$11.50.

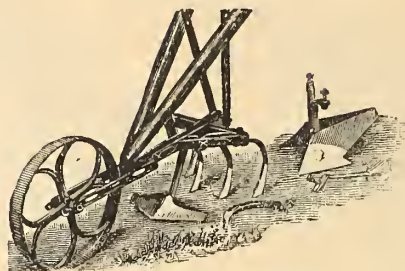
No. 303 Wheel Hoe is the above machine with vine lifters and one pair side hoes only. Price, \$7.50.

## FIG. 39—HAND PLOW

For making furrows, hilling, etc. Price, each, \$2.00.



Iron Age Hand Plow



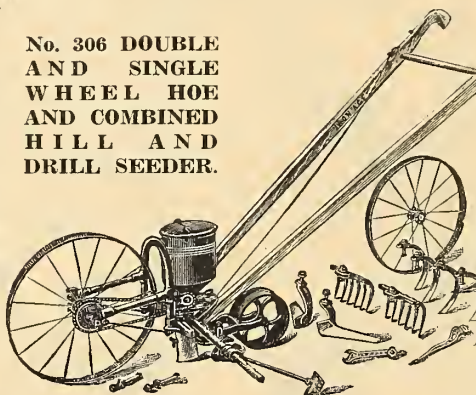
## GEM SINGLE WHEEL HOE

Of garden tools this is the most popular, being low in price and complete in detail, suited for most any work in a garden. It weeds, hoes, hills and harrows. Price, \$7.50.

## GEM DOUBLE WHEEL HOE

Similar to the single wheel machine, excepting for the fact that it possesses another wheel and is minus the scufflers. It has instead one pair of side hoes, which can be used to better advantage on such a tool. The wheels may be adjusted to enable plants to be worked on both sides of row. Price, \$9.00.

## No. 306 DOUBLE AND SINGLE WHEEL HOE AND COMBINED HILL AND DRILL SEEDER.

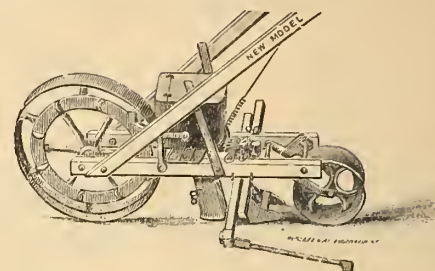


From a Seed Drill this tool can be converted into a Wheel Hoe, either single or double, it requiring but about three minutes to change to a Double Wheel Hoe, and about two minutes to a Single Wheel Hoe, by an inexperienced operator. Price, as in cut, but without rakes, \$18.00.

## No. 304 COMBINED DOUBLE AND SINGLE WHEEL HOE AND DRILL SEEDER

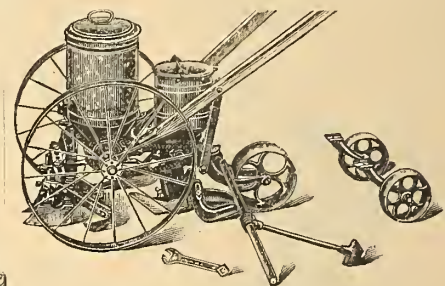
Similar to the No. 306 Combined Double Wheel Hoe, Hill and Drill Seeder. It only differs in the seed sowing device and opening plow. Both tools as Double and Single Wheel Hoes are identical. The seed sowing device of our No. 304 is only designed to sow seeds in continuous rows. Price, complete, without rakes, \$17.00.

Our Garden Tool Department we believe to be the most fully equipped of any seed store in the United States. Most every tool of real merit for garden work will be found here, and of the best quality.



## MODEL SEED DRILL

The depth of sowing can be regulated to any desired distance. It is well named the market gardener's drill, having a large capacity for seeds, and is a wonderfully efficient machine. Price, \$12.25.

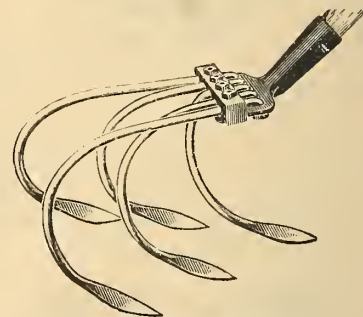


## No. 322 COMBINED FERTILIZER DISTRIBUTOR, HILL AND DRILL SEEDER

One of the most successful seed and fertilizer drills ever made. The fertilizer is distributed more accurately than if put on by hand, and the two operations are done in one. Price, \$28.50.

## IRON AGE WHEEL HOE PARTS

Fig. 32—Gem Landside Plow.....	\$1.50
Fig. 82—Iron Age Landside Plow....	1.50
Fig. 84—Weeder for S. W. Hoes....	1.25
Fig. 81—Weeder for D. W. Hoes..pair	1.50
Side Plows, right or left.....each	.75
Side Hoes, right or left.....each	.75
Fig. 561—Rakes, 6-tooth.....each	.65
Teeth, Gem.....each	.40
Teeth, Iron Age.....each	.40



Invincible Cultivator

## INVINCIBLE CULTIVATOR

For the kitchen garden and large truck patch; this will be found a useful tool for weeding, loosening the soil, preparing seed beds, etc. Price, with long handle, \$1.50.

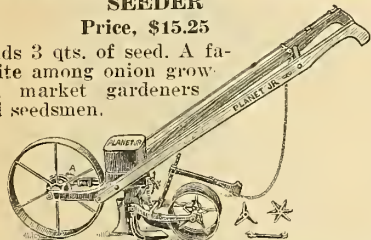
# Planet Jr

## SEEDERS, WHEEL HOES

**NEW 72-PAGE CATALOG FREE**  
Describes over 70 tools, including entirely new ones. Horse Hoes, Harrows, Orchard- and Beet-Cultivators, Seeders and Wheel Hoes. Write today!

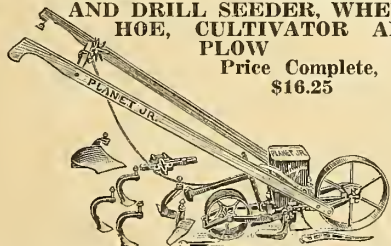
**No. 3 PLANET JR. HILL AND DRILL SEEDER**  
Price, \$15.25

Holds 3 qts. of seed. A favorite among onion growers, market gardeners and seedsmen.



The flow of seed is instantly started or stopped by the cut-off rod. No seed wasted at end of rows. Sows in large or small quantities in drills or in hills.

**No. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW**  
Price Complete, \$16.25



Soon pays for itself in the family garden as well as in the larger acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily all through the season.

**No. 4 D SEEDER.** Price, \$12.75  
Same as above less the cultivating attachments.

**No. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR AND PLOW**  
Price Complete, \$19.25



A splendid combination for the family garden, onion grower or large gardener. Is a perfect seeder and combined double and single wheel hoe.

**No. 31 PLANET JR. COMBINED DRILL SEEDER AND SINGLE WHEEL HOE**  
Price Complete, \$10.75  
No. 31 D as a DRILL SEEDER Only, \$8.75



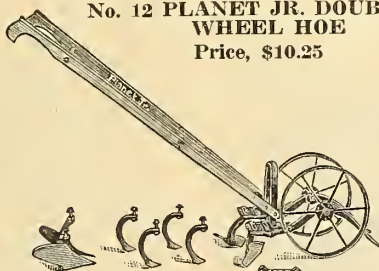
This new tool is of great value to gardeners who have never felt able to own either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision. Quickly changed to a splendid wheel hoe. A special machine for the small gardener.

**No. 11 PLANET JR. DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE**  
Price Complete, \$13.25



A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Steel frames; 14-inch steel wheels. The greatest hand-cultivating tool in the world.

**No. 12 PLANET JR. DOUBLE WHEEL HOE**  
Price, \$10.25



No. 12 is the same as No. 11, but without the rakes and one pair hoes.

**No. 16 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW**  
Price, \$8.50



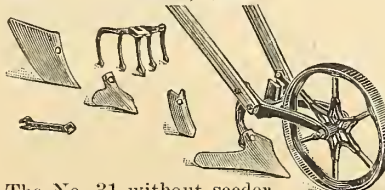
The highest type of single wheel hoe made. Light, but strong, and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest and best way.

**No. 17 PLANET JR. SINGLE WHEEL HOE**  
Price, \$7.00



No. 17 is the same as No. 16, but without the rakes and leaf lifter.

**No. 33 PLANET JR. SINGLE WHEEL HOE**  
Price, \$5.25



The No. 31 without seeder.

**No. 13 DOUBLE WHEEL HOE**

This is like No. 12, except that it is equipped with 1 pair side hoes only.

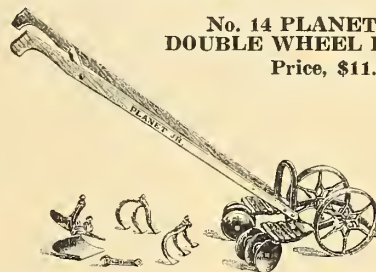
Price, \$7.25

**No. 18 SINGLE WHEEL HOE**

This is like No. 17, except that it is equipped with 1 pair side hoes only.

Price, \$5.25

**No. 14 PLANET JR. DOUBLE WHEEL HOE**  
Price, \$11.75



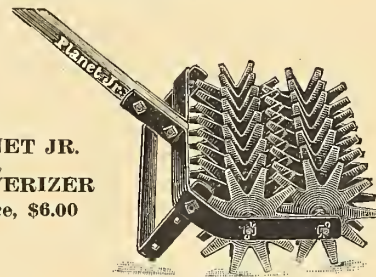
The disc leaves the ground fine and level. The prong teeth do fine, deep work. The plows open furrows, cover and flow to or from growing crops.

**FIRE-FLY GARDEN PLOW**  
Price, \$3.25



Useful to owners of small gardens, and to children raisers for plowing up scratching-yards. Its light weight makes it easy for man, woman or boy to use.

**PLANET JR. STAR PULVERIZER**  
Price, \$6.00



### PARTS OF PLANET JR. WHEEL HOES

Disc Hoes	.....pair	\$3.00
4 1/2-inch Hoes C. & D1	.....pair	1.20
6-inch Hoes C. & D1	.....pair	1.30
7-inch Hoes C. & D1	.....pair	1.50
8-inch Hoes C. & D1	.....pair	1.60
Peat Land Hoes	.....pair	2.00
4 1/2-inch Hoe Steels 552/553	.....pair	.60
6-inch Hoe Steels 1092/1093	.....pair	.70
7-inch Hoe Steels 1700/1701	.....pair	.90
8-inch Hoe Steels 997/998	.....pair	1.00
3-prong Cultivator Teeth	.....pair	1.75
Cultivator Teeth, Regular, No. 1395, all steel, each	.....	.40
Narrow Cultivator Teeth, No. 2775, all steel, each	.....	.40
Rakes, Three Tooth	.....per pair	1.00
Rakes, Five Tooth	.....per pair	1.30
Plows for Double Wheel Hoes	.....pair	1.50
Plow Steels for D. W. H.	.....pair	.90
Plows for Single Wheel Hoes	.....each	1.50
Plow Steels for Single Wheel Hoes	.....	.90
Double Mouldboard Plows	.....	2.00
Marker Attachment for Wheel Hoes	.....	1.50
Handles	.....per pair	1.00

We are headquarters for Planet Jr. tools. Come see them

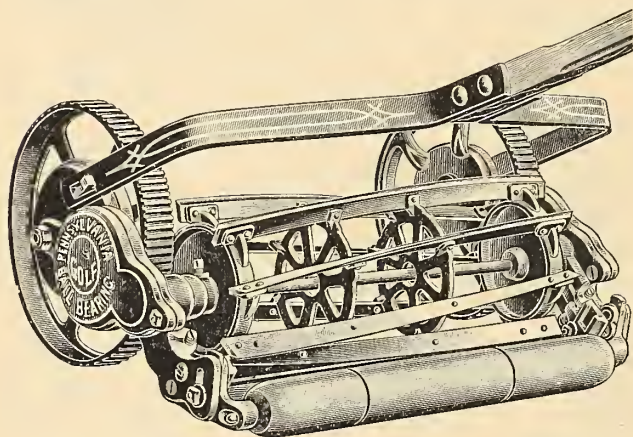
(ht)

# The Michell High Wheel Ball-Bearing Lawn Mower

In answer to the call our trade has for years made upon us for a mower of our own name, we have had designed by the best lawn mower makers in the United States the "Michell" High Wheel Ball-Bearing. Of the best material throughout, in every detail has there been the thought to construct not only a mower that would appeal to the intending purchaser from a standpoint of looks, but to give him more for his money than we might be able to do in other makes. The "Michell Ball-Bearing High Wheel Lawn Mower" is made for us by Jno. Braun & Sons, who are the originators and makers of the "Famous Pennsylvania Quality" machines.

It has a 5-blade cylinder of tool steel blades, each hardened and tempered in oil, it is equipped with internal driving gears on both sides, making it easy to push. The cones and cups in which the balls revolve are hardened tool steel, while the balls themselves are extra large, of the best quality. The drive wheels are 10 inches high, which ensures easy running, the bottom knife is self-sharpening with raised edge, of crucible steel, that will ensure long service. It can be regulated to cut the grass at a height of from 1/2 to 1 1/2 inches, by adjustment, while it mows grass with ease that is 6 inches high.

15-inch cut.....\$16.00 | 17 inch cut.....\$18.00



## PENNA. JR. BALL BEARING MOWERS

To get the best results from this machine which does exceptionally fine work, the lawn should be mowed at regular intervals. It cuts the grass shorter than the 4-bladed machine, hence requires mowing at stated periods when the grass is growing rapidly.

8-inch or low wheel, 5-blade cylinder, 5 1/2-inch diameter.

12-inch .....\$13.00 | 16-inch .....\$17.00  
14-inch ..... 15.50 | 18-inch ..... 18.50

10-inch or high wheel, 5-blade cylinder, 6-inch diameter.

15-inch .....\$21.50 | 19-inch .....\$26.50  
17-inch ..... 24.00 | 21-inch ..... 29.00

## PENNSYLVANIA LAWN MOWERS

The regulation style for every-day lawns.

Low wheel, 8-in. diameter. High wheel, 10 1/2-in. diam.

12-inch .....\$12.50 | 15-inch .....\$20.00  
14-inch ..... 14.00 | 17-inch ..... 22.50  
16-inch ..... 15.50 | 19-inch ..... 25.00  
18-inch ..... 17.00 | 21-inch ..... 27.50

## PENNA. PUTTING GREENS MOWER

For cutting wavy or undulating greens, which are very popular on some courses. It is gear driven, with a 7-inch iron roller in the rear and a wooden roller in the front, to support the machine. The mower can be set to cut as close as 3-16 inch. Equipped with a 6-blade cylinder, 5 1/2 inches in diameter.

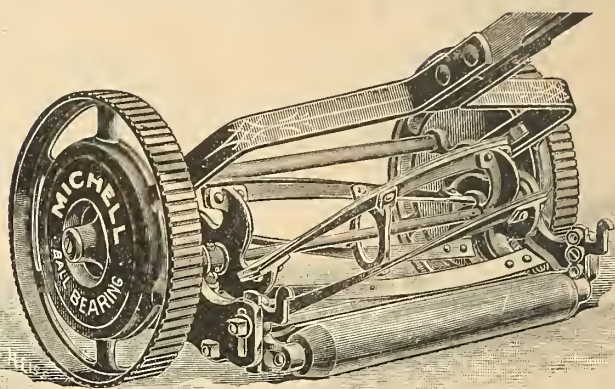
12-inch cut .....\$22.00 | 16-inch cut .....\$26.00  
14-inch cut ..... 24.00 | 18-inch cut ..... 28.00

## PENNSYLVANIA GOLF LAWN MOWER

For putting greens and close cutting around golf courses, tennis courts, etc., equipped with high wheels like a regular lawn mower, but with an iron roller of small diameter in three sections in place of the usual wooden roller.

9 1/2-inch, high wheel, 7 blades, ball bearing.

17-inch ...\$28.00 | 19-inch ...\$31.50 | 21-inch ...\$35.00



19-inch cut..... 20.00 | 21-inch cut..... 22.00

Your "Michell B. B. Lawn Mower" is the most satisfactory I ever had and I am recommending it to everybody in need of a real good mower.

JOS. MCGEE,  
Wilmington, Del.

## CONTINENTAL LAWN MOWERS

On a par for quality and construction with the Pennsylvania mower, geared on two sides instead of one.

High wheel, 9 1/2-in. diameter. Low wheel, 7 1/4-in. diameter.  
15-in.. \$20.00 | 19-in.. \$25.00 | 12-in.. \$12.50 | 16-in.. \$15.50  
17-in.. 22.50 | 21-in.. 27.50 | 14-in.. 14.00 | 18-in.. 17.00

## GREAT AMERICAN MOWERS

A double-gearred mower which gives fine results.

10 1/2-inch high wheel, 5-blade cylinder, ball bearing.

15-in.. \$15.00 | 17-in.. \$17.00 | 19-in.. \$19.00 | 21-in.. \$21.00

## NEW DEPARTURE LAWN MOWERS

9 1/2-in. wheel, 4-blade cylinder. | 7-in. wheel, 3-blade cylinder.  
15-inch .....\$12.00 | 12-inch .....\$7.50  
17-inch ..... 13.50 | 14-inch ..... 8.00  
19-inch ..... 15.00 | 16-inch ..... 8.50

## ORCHID MOWERS

High wheel, ball bearing.

14-inch .....\$8.75  
16-inch ..... 9.00  
18-inch ..... 9.75

## PHILADELPHIA LAWN MOWERS GRAHAM HIGH WHEEL.

Diameter of cylinder

6 1/2 in. with four Vanadium Crucible Steel blades. Train of three heavy gears on both sides. Driving wheels

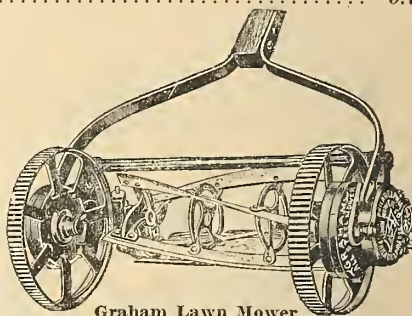
10 in.; no front rod.

15-inch .....\$21.00

17-inch ..... 23.50

19-inch ..... 26.00

21-inch ..... 28.50



Graham Lawn Mower

## STYLE A PHILA. LAWN MOWER

Diameter of cylinder 6 1/2 in. with four Vanadium Crucible Steel blades. Train of three heavy gears on one side, operating double ratchet. Driving wheels 10.

15-in.. \$20.00 | 17-in.. \$22.50 | 19-in.. \$25.00 | 21-in.. \$27.50

## PHILADELPHIA STYLE K

6 1/2 in. draw cylinder, 5 blades, high wheels, made with plain or Roller bearings. We recommend plain bearings in this make. They last longer, give less trouble.

Prices, plain bearings.

14-in.. \$12.00 | 16-in.. \$13.00 | 18-in.. \$14.00 | 20-in.. \$15.00

We can also supply Philadelphia Horse Mowers and Philadelphia Lawn Sweepers.

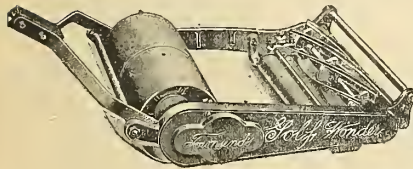
## COLDWELL BALL-BEARING LAWN MOWERS

The Coldwell line of mowers need no introduction for quality, service and reputation. Easy running ball bearing, four-blade cylinder, made to last and do fine work.

14-in.. \$12.50 | 16-in.. \$13.50 | 18-in.. \$14.50 | 20-in.. \$15.50

# Michell's Lawn Mowers, Lawn Trimmers, Etc.

## TOWNSEND GOLF WONDER MOWER



For putting Greens. 16-inch, \$21.00; 18-inch, \$22.75; 20-inch, \$24.75.

**Grass Catchers** for Townsend Golf Wonder Mowers for all sizes, \$5.00.

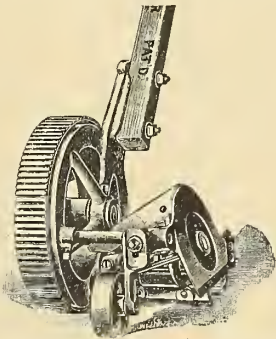
## LAWN TRIMMERS

**Pennsylvania Style.** This machine will trim against fences and closer to walls or tombstones than any other machine now made, and will not scrape or smudge the object against which it is cutting. Ball bearing, undercut style, \$9.00; ball bearing, straight cut style, \$8.00.

**Coldwell Trimmer.** This is an excellent machine for trimming around flower beds, shrubbery and walk edges. The revolving cutter is 6 in. wide, and cuts within 1/4 in. of side obstruction. Price, \$7.00.

**Capitol Lawn Trimmer and Edger.** A remarkably practical device. Can be used as a lawn trimmer, also as an edger for walks, driveways, flower beds, etc. The revolving disc is made of fine tempered steel, which makes cutting easy. It can be converted into either a trimmer or an edger in a few seconds by simply turning over the machine over and making a slight adjustment of a brace rod. Price, \$7.50.

**Coldwell Gem Mower.** Cuts an 8 inch swath. Suitable for a child or lady to use. Made of high grade material. Suitable for very steep terraces or in positions where an ordinary lawn mower cannot be employed. Price, \$7.00.

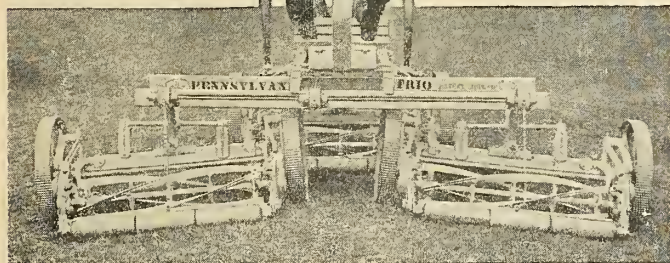


Penna. Undercut Lawn Trimmer

## PENNSYLVANIA TRIO LAWN MOWER

Cuts a swath of 86 inches. It is a combination of 3 light draught 30-inch mowers harnessed together. So constructed that it does not raise off the ground when the horse starts. The

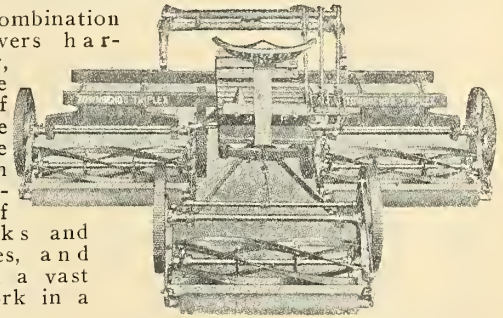
gears are housed in a dust-proof case which is packed with grease, causing them to run noiselessly and free. The bottom knife casting or back is fixed and not adjustable, thus insuring rigidity and



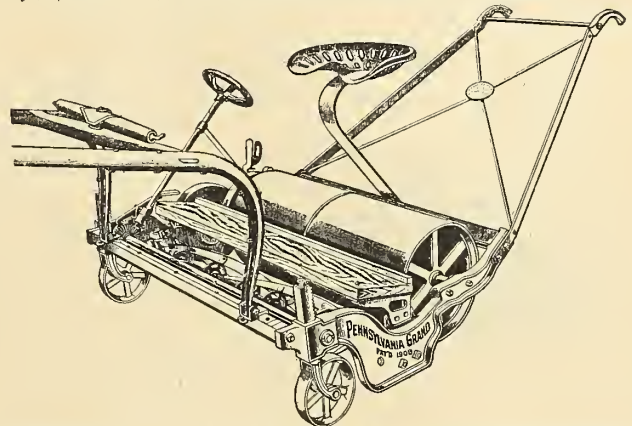
freedom from the necessity of making adjustments. The cylinder is 7 inches in diameter, equipped with 4 extra wide crucible tool steel knives hardened and tempered in oil. The wheels are 18 inches in diameter, with a 2 1/2-inch head, giving ample traction surface, and are fitted with annular ball bearings, making it an easy machine on the horses. Price, \$350.00. (Extra cutting units, complete, each, \$100.00.)

## TOWNSEND TRIPLEX HORSE LAWN MOWER

This is a combination of three mowers harnessed together, yet one horse is capable of operating the same. They are being used with splendid satisfaction on golf grounds, parks and country estates, and accomplish a vast amount of work in a short time.



Cutting width 86 inches; 5 blade cylinder; f. o. b. Orange, N. J., \$275.00. (Extra cutting unit, complete, \$60.00.)



## PENNSYLVANIA HORSE AND PONY MOWER

### Pennsylvania Regular Style

- 25-in. Pony, with wooden rear roller, 4-blade cylinder, \$50.00
- 25-in. Pony, with wooden rear roller, 6-blade cylinder. 60.00
- 30-in., with draft irons only..... 87.50
- 30-in., with seat and shafts and side draft attachment..105.00
- 38-in., with draft irons only .....110.00
- 38-in., with seat and shaft and side draft attachment..125.00

### Pennsylvania Grand Horse Mower

- 30-inch cut, with draft iron, no seat or shafts.....\$97.50
- 38-inch cut, with draft iron, no seat or shafts.....125.00
- 30-inch cut, with seat and shafts.....115.00
- 38-inch cut, with seat and shafts.....140.00

The above prices are for 4-blade mowers; if 6-blade mowers are desired, add \$15.00 to the price of each machine, except as noted.

## COLDWELL HORSE AND PONY MOWERS

- |                          |                          |
|--------------------------|--------------------------|
| 25-in. (Pony Style)....  | 35-in., seat and shafts. |
| 30-in., with draft irons | 40-in., with draft irons |
| 30-in., seat and shafts. | 40-in., seat and shafts. |
| 35-in., with draft irons |                          |

**Note.**—These can be supplied with 4 or 6 blade cylinders. Prices on application.

## LAWN MOWER SHARPENING

This work is done for us by a competent mechanic, and we can insure entire satisfaction.

**Horse Mowers,** 25-in., \$6.50; 30-in., \$7.50; 35 and 38-in., \$9.00; 40-in., \$10.00.

**Hand Mowers,** 10 to 17-in., \$1.50; 18 to 21-in., \$1.75.

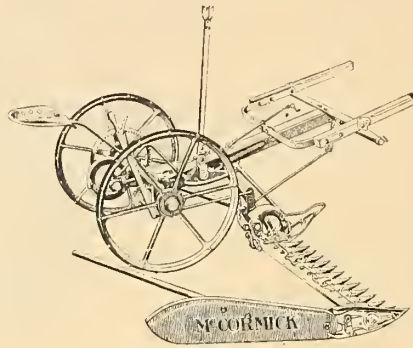
**Golf Mowers,** (6 blades). 14 to 18-in., \$2.50; 19 to 22-in., \$3.00.

New parts required on repaired mowers supplied at factory prices. Above figures are for sharpening the cylinder and bottom blades only, and do not include any new parts that may be needed.

# Michell's Lawn Mowers and Appliances

## McCORMICK MOWING MACHINES

**Gear Drive**

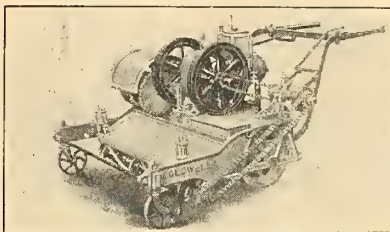


These are now largely used for cutting on golf courses and large lawns, thus doing the preliminary work for the regular horse lawn mower. They are also equally well adapted for hay cutting.

3½ and 4 ft. cut, vertical bar, 1-horse machine..... } Prices on  
 4½ and 5 ft. cut (New 4), 2-horse machine..... } application  
 4½ and 5 ft. cut, vertical bar, 2-horse machine.... }

## COLDWELL MOTOR MOWERS

Prices of these machines are net cash on delivery.



Type of Models F, G and H

which can be removed from the machine in a few moments and replaced by the other unit, which is shipped with these models at no extra charge.

They are also equipped with a patented device for raising the knives when crossing gravel walks, roads, etc., thus protecting them from injury. Clutches are provided to throw the traction rollers, as well as the revolving cutters, in and out of gear. Prices net cash on receipt of mowers f. o. h. Newburgh, N. Y.

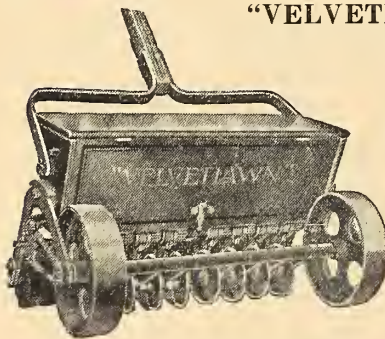
**Model J.** 40-inch cutting area .....\$1300.00  
**Model G.** 35-inch cutting area ..... 350.00  
**Model H.** 30-inch cutting area ..... 300.00

Any of the Coldwell Motor Mowers can be used as lawn rollers independent of the mowing feature.

## FULLER & JOHNSON MOTOR MOWERS

25-inch cut. We shall be pleased to quote and give information on these.

### "VELVETLAWN" SEEDER



For properly sowing grass seeds on lawns and putting greens already in sod. It places it in the ground in close furrows, covers and rolls it at one operation. The result is an even, quick growth of grass, also used for distributing fertilizers. The horse machine is adapted to sowing either new lawns or old, also sowing clover and alfalfa, while the problem of putting seed on old lawns and heing

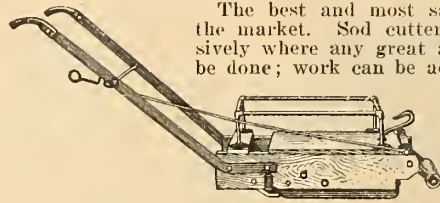
sure it is properly covered so it will not blow away, hut grow, is solved by these machines entirely.

**Hand Machine,** seeding 16-inch area. Price, \$20.00.

#### Horse Machine

2-horse, seeds 48-inch area, with drag chains. Price on application.

## THE CHAMPION SOD CUTTER

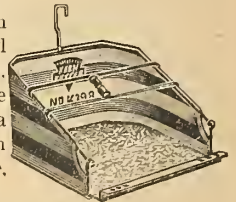


The best and most satisfactory machine on the market. Sod cutters are now used extensively where any great amount of cutting is to be done; work can be accomplished better with this machine; you can cut as much in one hour as two men all day.

Price, \$27.50.  
 Extra Knives for Sod Cutters, \$5.00 each.

## GRASS CATCHERS

**K. C. Catcher.** There always have been makes of mowers on the market that could not be properly fitted with a grass catcher. The K. C. is designed to fit any size or style mower and can be attached or detached in a moment. Made of galvanized iron bottom and canvas sides. Price, 12- to 16-in. size, \$1.75 each; 16- to 22-in. size, \$2.00.



**Braun Catchers.** For the Pennsylvania, Continental, Great American B. B. and New Departure Mowers.

10-in...	\$2.50	14-in...	\$2.75	15-in...	\$3.00	19-in...	\$3.25
12-in...	2.50	16-in...	3.00	17-in...	3.00	21-in...	3.50
				18-in...	3.00		

## COLDWELL CATCHERS

14-in...	\$1.60	16-in...	\$1.70	18-in...	\$1.80	20-in...	\$1.90
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## PENNA. PUTTING GREEN MOWER CATCHERS

10-in.....	\$4.00	14-in.....	\$4.25	18-in.....	\$4.75
12-in.....	4.00	16-in.....	4.50		

## PENNA. GOLF MOWER CATCHERS

14-in.....	\$4.25	17-in.....	\$4.75	19-in.....	\$5.00
16-in.....	4.50	18-in.....	4.75	21-in.....	5.25

## FOR PENNA. HORSE MOWERS

Forward Delivery Grass Box, for 30-inch mower.....\$20.00  
 Forward Delivery Grass Box, for 38-inch mower..... 30.00  
 Grass Box for Pennsylvania Pony Mower..... 4.50  
 Townsend Golf Wonder Catchers, any size. Each..... 5.00

## G. M. LAWN MOWER SHARPENER

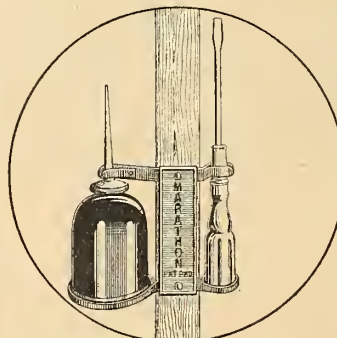
Can be adjusted for any thickness of blade and when properly set will give a uniform bevel, the sharpener following the twist of the knife. It will also sharpen the under blade or dead knife. The same are sharpened by working the device back and forth until a good edge has been obtained.



Price, 50c. each, postpaid. Extra files, 2 for 25c.

## MARATHON TOOL BRACKET

(For Mowers)



Comprises a device for fastening to hand lawn mowers. A screw driver and oil can, complete equipment, for 75c. Parcel Post Wt., 1 lb.

## WIRE HORSE MUZZLES

Used when mowing lawns or working the garden, 30c. each. Parcel Post Weight, ½ lb.

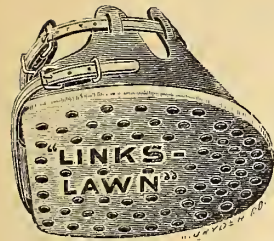
## LINK'S LAWN BOOTS

For Horses

Made of very heavy sole leather, waterproofed and finished black. The sole is reinforced with steel rivets, which make the boots last twice as long as they ordinarily would.

- No. 2. 5½ inches inside.
- No. 4. 6½ inches inside.
- No. 6. 7 inches inside.

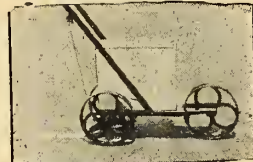
Price, per set of four, \$12.50.



Special Size Horse Boots made to order. Place the horse's feet on a blank paper, drawing a pencil around it to show size.

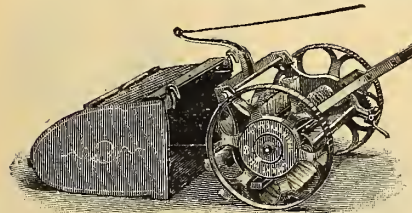
## TENNIS COURT MARKER

Junior Line-o-graph. A perfect liquid lime tennis court marker especially designed for private courts, works perfectly on grass or clay. \$20.00 each, F. O. B. factory. F. O. B. Philadelphia, \$20.50.



Junior Line-o-graph Tennis Marker

## APOLLO LAWN CLEANER



Apollo Lawn Cleaner

For sweeping lawns, paths, putting greens, tennis courts, etc. The revolving brush gathers up the smallest particles, leaving the surface swept very clean. The sweeping area is 28 inches; equipped with rubber tired wheels, which makes it almost noiseless in operation. Price, \$18.00.

## PENNA. LAWN CLEANER

The name "comb and brush for the lawn" has often been applied to it. The flexible rake bars are of wood, with steel springs and teeth, they rotate just like a lawn mower cylinder and clean up every particle of leaves, mown grass, litter or rubbish, throwing it into a receptacle or bag in the rear, which is of large capacity. This can be detached and emptied at will.

24-in. rake, \$20.00



Sweeping Brushes can be readily attached to this machine for sweeping putting greens, paths, etc. \$3.00 per set of three.

## RUBBISH BASKETS

On all large places, on the lawn, in flower and vegetable gardens, a basket for gathering up rubbish and litter will be found a great convenience, especially when it is suited for the purpose. This basket holds 3 bushels and can be carried or wheeled from place to place on a barrow. Price, with rope handles, \$3.00 each.



Rubbish Basket

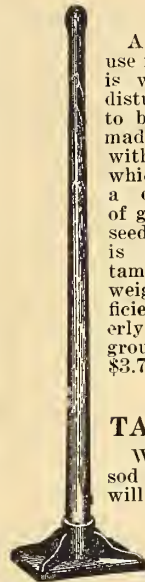
## SOD PERFORATOR

A convenient implement for use in loosening soil where grass is worn out, without actually disturbing the turf. The space to be seeded with grass can be made into a perfect seed bed with this device which will mean a quick growth of grass after the seed is sown. It is used like a tamper, its own weight being sufficient to properly perforate the ground. Price, \$3.75.



## SOD TAMPERS

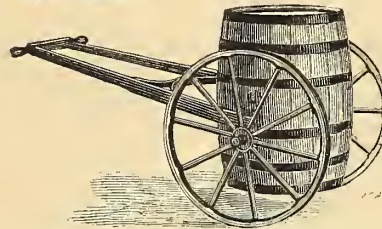
When laying sod it is necessary to properly firm it down, so that it will take new root quickly. It is also convenient for firming the soil or lawn on places where a roller cannot be used; made of iron with wood handle, 12 inches square; weight 20 lbs. Price, \$1.75 each.



Sod Tamper

## TRUCKS, ETC. BARREL

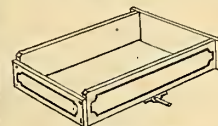
The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf rack or stone box may be attached.



- 1½-inch tire truck, all iron wheels, with barrel..... \$19.00
- 2½-inch tire truck, all iron wheels, with barrel..... 19.75
- 3½-inch tire truck, all iron wheels, with barrel..... 20.75
- Extra Barrels, with trunnions, open head..... 6.00

## STONE BOX FOR WATER BARREL TRUCK

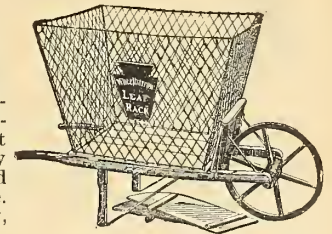
Stone Boxes for attaching to the above truck .....\$4.00



Stone Box

## KEYSTONE LEAF RACKS

This device can be used on wheelbarrows with removable sides. Convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, \$5.50.



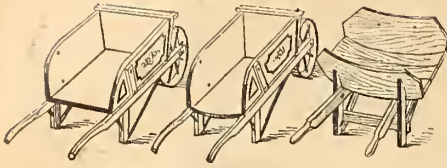
## WIRE LEAF RACKS

Excellent for gathering leaves, litter, grass, etc. They can be attached to a water barrel truck, as shown opposite, instantly. The illustration shows the old style wooden rack, which has now been superseded by the wire and metal frame construction thoroughly galvanized.



- Leaf Rack only, no truck..... \$12.00
- Leaf Rack with 1½-inch truck ..... 25.00
- Leaf Rack with 2½-inch truck ..... 25.75
- Leaf Rack with 3½-inch truck ..... 26.75

**WHEELBARROWS**



Eastern Greenhouse Canal

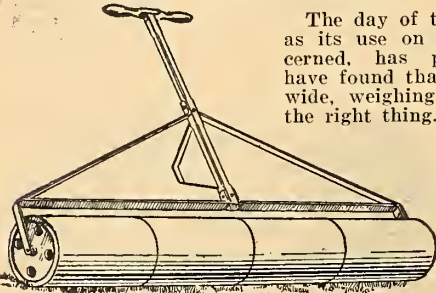
The measurements of barrows are understood viz.: length, meaning inside length of body; depth, inside depth at front; width, outside width at handles.

The "Eastern" Style garden barrow as shown in illustration is substantially built, carefully braced and bolted, just the kind of a barrow you would expect to give long, faithful service.

	No.	Tire In.	Length in.	Depth In.	Width In.	Price.
Eastern	3	1 1/2	28	11	22	\$5.00
Eastern	4	3	26 1/4	11 1/2	27	6.00
Eastern	5	3	28 1/4	11 3/4	27	6.50
Boys' Size	2	2	21 3/4	9 1/4	20	4.00

Canal. Side dump (bolted) ..... 3.75  
 Special Greenhouse Style with narrow body and handle width. 8.50

**PUTTING GREENS ROLLER**

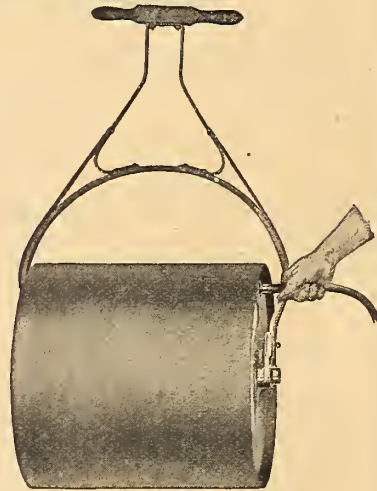


The day of the heavy roller, so far as its use on putting greens is concerned, has passed. Greens-keepers have found that a roller about 4 feet wide, weighing about 150 pounds, is the right thing.

It is evenly surfaced and will not leave a mark or ridge on the greens. Made of wood in sections, \$20.00.

**MICHELL'S WATER BALLAST ROLLERS**

Fill it with water, which will weight it up to any number of pounds desired, as shown below; can be had in one or two sections, according to style selected. Equipped with counter balanced handle weights, which always keep the handle in position ready for use; ball axle bearings. The two section roller is desirable on account of its not disturbing the turf or ground when being turned, while all edges are beveled.



No.	Sec-tions	Diam.	Width	Weight		Price
				Empty	filled with Water	
603	1	24	24	180	525	\$18.50
601	1	24	32	200	665	20.50
605	2	18	24	175	395	19.50
606	2	24	32	230	650	25.50

We can also supply other sizes of Water Ballast Rollers.

**BOSS HAND ROLLERS (IRON)**

No.	In. Diam.	In. Wide	Sec. tions	Lbs. Weight	Price	No.	In. Diam.	In. Wide	Sec. tions	Lbs. Weight	Price
1	15	15	2	150	\$11.80	8	20	30	3	350	\$23.65
2	15	22	3	200	15.60	9	24	20	2	400	30.60
3	20	16	2	225	17.50	10	24	24	2	450	34.35
4	20	20	2	250	19.35	11	24	24	3	450	34.35
5	20	20	1	250	19.35	12	24	30	3	500	38.10
6	20	24	3	300	23.10	13	28	24	2	500	38.10
7	20	24	2	300	23.10	14	28	24	3	500	38.10

**BOSS HORSE ROLLERS**

For Lawn and Golf Ground Use.

No.	Diam. In.	Lgth. In.	Sec-tions	Lbs. Weight	Price	No.	Diam. In.	Lgth. In.	Sec-tions	Lbs. Weight	Price
40	24	30	3	650	\$69.60	43	28	30	3	800	\$84.00
41	24	40	4	800	81.60	44	28	40	4	1000	102.80
42	24	50	5	950	93.50	45	28	50	5	1200	117.60

For Land or Field Use.

No.	Diam. In.	Lgth. Ft.	Sec-tions	Lbs. Weight	Price	No.	Diam. In.	Lgth. Ft.	Sec-tions	Lbs. Weight	Price
63	24	5	5	1450	\$106.80	67	28	6	6	1950	\$140.40
65	28	4	4	1350	102.00	68	32	4	4	2200	163.20
66	28	5	5	1650	123.00	69	32	5	5	2600	189.60

**LAWN MOWER OIL**



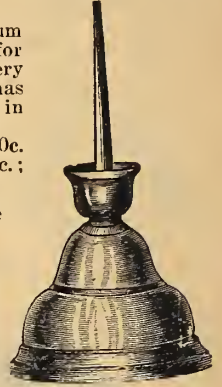
Pure oil that will not gum or get sticky is an essential for the satisfactory running of every mower. The oil sold by us has been selected with this point in view.

Prices: Per pint, 40c.; 60c. per quart; per 1/2 gal., 75c.; \$1.00 per gal.; 5 gals., \$3.50.

Lawn Mower Oil cannot be mailed

**OIL CANS**

	P. P. Wt.	8 ozs.
3-539, Zinc	.....	\$0.25
1113, Bronzed steel	.....	.35
3-539, Brass	.....	.50
016, Bronzed steel	.....	.50



**EMERY**

For sharpening Lawn Mowers. Price, 25c. per lb.; 10 lbs. \$2.35.

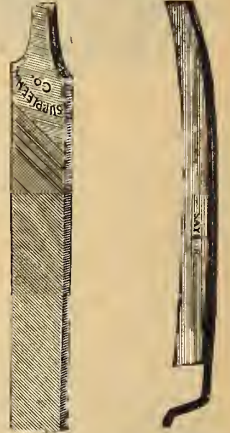


English Little Giant

**SICKLES OR GRASS HOOKS**

English Rivet Back, No. 3	\$.085
English Rivet Back, No. 2	.75
English Rivet Back, No. 1	.65
English Solid Back, No. 2	.60
Little Giant	.60

Grass Hooks are not mailable.



File Scythe

**SCYTHES**

Little Giant, 32-inch	.....	\$1.35
Little Giant, 34-inch	.....	1.50
Little Giant, 36-inch	.....	1.65
Little Giant Brush or Briar	.....	1.50

The Little Giant is the best American-made scythe for field and heavy grass work.

**FLAT FILES**

	P. P. Wt.	8 ozs.	Price
For sharpening lawn mowers.			
8 inch	8 ozs.	\$0.25	
10 inch	12 ozs.	.30	
12 inch	1 lb.	.50	

English, 32-in., rivet back. \$1.60  
 English, 34-in., rivet back. 1.75  
 English, 36-in., rivet back. 1.85  
 English, 38-in., rivet back. 2.00

The English Scythes are best for fine grass or lawn work.

**SCYTHE STONES**

	Each	Doz.
Talacre, Style (American)	.....	\$0.25 \$2.50
Darby Creek	.....	.15 1.50
Carborundum. Very fine	.....	.30 3.00



**SCYTHE HANDLES, ETC.**

No. 50. Made of hard wood, well finished.	
Regular Scythe style	..... \$1.25
Snath Clips	..... .25

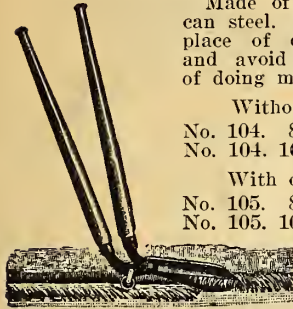


# MICHELL'S LAWN AND GARDEN ACCESSORIES 171

## LAWN BORDER SHEARS

Made of finest American steel. They take the place of edging knives, and avoid the necessity of doing much stooping.

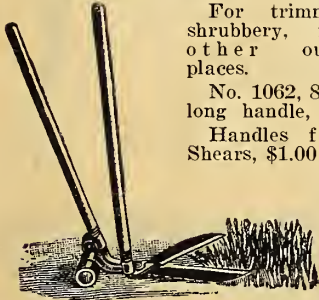
Without wheel.  
 No. 104. 8½ in. ..\$3.00  
 No. 104. 10 " .. 3.50  
 With one wheel.  
 No. 105. 8½ in. ..\$4.00  
 No. 105. 10 " .. 4.50



## LAWN BORDER SHEARS

For trimming under shrubbery, fences and other out-of-the-way places.

No. 1062, 8½ in. blade, long handle, \$4.00.  
 Handles for Border Shears, \$1.00 per pair.



## GRASS SHEARS

	P. P. Wt.	Each
012. 6 inch, American	2 lbs.	\$1.00
012. 7 inch, American	2 lbs.	1.25
3075. 6 inch, English	2 lbs.	1.25
3075. 7 inch, English	2 lbs.	1.50
0267. 6 inch, American	2 lbs.	.75
050. 5½ inch	2 lbs.	.60
263. 5½ inch Trowel Shank	2 lbs.	.35

## BAMBOO POLES

Japanese, 16 ft. long, useful for breaking up worm casts on putting greens, etc. Price, 25c. each; dozen, \$2.50; \$15.00 100.



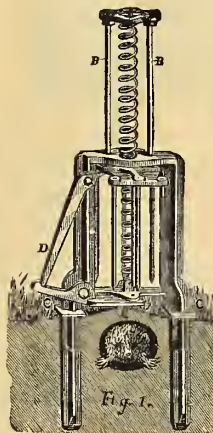
## TURF OR SOD LIFTERS

American—A convenient device for lifting sod; steel blade, with an 18-inch steel shank and wood D handle. Price, \$1.25 each.

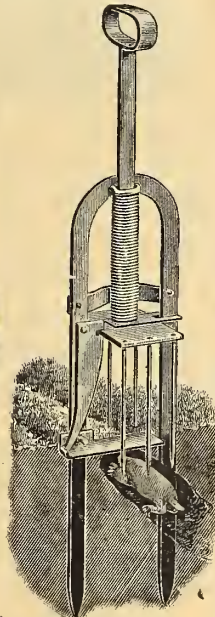


English No. 275. For lifting sod and turf. Best steel; will last a lifetime. \$5.00 each.

## MOLE TRAPS



Olmsted



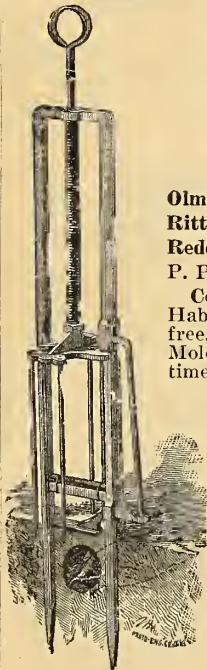
Rittenhouse

Olmsted .....\$1.75  
 Rittenhouse ..... 1.00  
 Reddick ..... 1.25  
 P. P. Wt. of the above, 3 lbs.

Complete Booklet on the Habits of the Mole mailed free, or included with each Mole Trap if asked for at time of ordering.

## HOW TO CATCH MOLES

Always press down the mound when setting the trap so that the lever which sets off the trap is level with the ground. Set the trap in the evening, as moles usually stir about very early in the morning.



Reddick

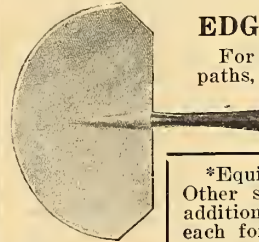


## LAWN SHOVEL AND EDGER

The most perfect tool for cleaning out and edging up the sides of cement walks. This is the only tool of its kind found so far to be practical. It is made of the best steel, is very sharp and can be resharpened readily when dull. Price, \$1.25 each.

## EDGING KNIVES

For trimming edges of paths, etc.



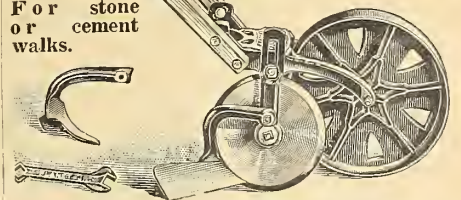
\*Equipped with handle. Other styles are sold at additional price of 15c. each for handles.

Mehler Edging Tool .....\$1.25  
 \*No. 040. American ..... .85  
 English, 8 inch ..... 2.00  
 English, 9 inch ..... 2.25

## PLANET JR. GRASS EDGER

Price, \$7.50  
 Packed weight, 28 lbs.

For stone or cement walks.



With the Planet Jr. Edger you can cut the turf symmetrically with charming effect, at the speed of a walk. In edging cement or flag-stone walks, the Planet Jr. Edger cuts out a small "V" shaped piece of turf, leaving a uniform finish to the walk, the last word in neatness and beauty. By a simple change the tool may be used either for cement, brick, stone, or gravel walks and drives, or for flower beds. It can be set to allow the wheel to run either on the walk or on the grass. Use after rains.



## BROOMS

No.	Material	Each	Per Doz.
No. 230.	Japanese Fibre (see cut)		\$0.75
No. 8.	Corn and Rattan, mixed	.95	
	Golf Greens (birch)	.35	
No. 7.	Plain Corn, extra quality	.90	3.50

## ROAD BRUSHES (With Handles)

No. 271. Rattan Push, 14 in. (see cut) .....\$1.00  
 No. 0286. Bass or Cocoa Push, 14 in. 1.00



Rattan Broom

All Prices Subject to Market Changes Without Notice.

**IDEAL DANDELION EXTRACTOR**

This simple device is the best thing of its kind ever used for taking weeds out of the lawn. It will be seen that it is not necessary to get down on hands and knees to operate it. The cutting blade of the best steel, equipped with a convenient handle, so that either man, woman or child can use it. 40c. each.



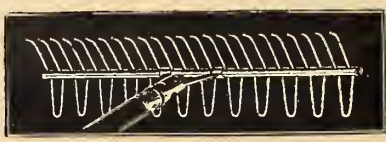
**OLE OLSEN LAWN RAKES**

This rake head is slightly curved from the centre to each end, which does not allow any material that has been caught by the teeth to slip around the edges. 26-tooth, hickory wood. Price, 75c.



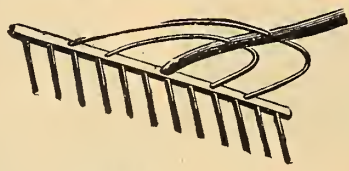
**DAISY RAKE No. 9**

For removing dandelion and other obnoxious growth from lawns. English steel. 16-tooth .....\$4.00 | 20-tooth .....\$4.50



**WIRE LAWN OR GRASS RAKE**

Made of heavy tinned steel wire. These are excellent for lawn or walk work. The rake is reversible. Can be used on both sides. No. 2046—46 teeth, for putting greens, \$1.00  
No. Tooth No. Tooth  
124 R 24...\$0.60 | 36 LR 36...\$1.00



**WOODEN RAKES**

Ames, No. 37X. 24-tooth, steel bows. For lawns .....\$1.00  
Ames, No. 30X. (See cut above). 14-tooth, hard wood bow rake, for hay and field use ..... .70  
Wire Braced. 20-tooth, Lawn..... .50



**STEEL GRAVEL RAKES**

These rakes are used for road-making and for paths. Having very short teeth they do not gather up stones or gravel.  
No. Tooth No. Tooth  
G 12 12....\$0.65 | G 16 18....\$0.85  
G 14 14.... .80 | G 18 18.... .90  
G 20 20-tooth ..... 1.05



**STEEL BOW RAKES**

Preferred by many to the regular garden rake. The teeth are slightly bent toward the operator.  
No. Tooth No. Tooth  
B 11 11....\$0.80 | B 13 13....\$0.85  
B 15 15-tooth.....\$0.90



**STEEL GARDEN RAKES**

Made of best cast steel, with long teeth for penetrating the ground.  
No. Tooth No. Tooth  
6 6.....\$0.60 | 12 12.....\$0.70  
8 8..... .65 | 14 14..... .75  
10 10..... .65 | 16 16..... .80

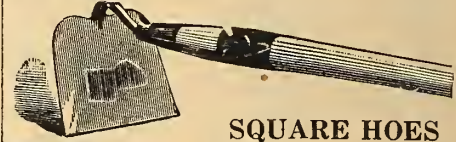
**HOE AND RAKE (COMBINED)**

An excellent tool for ladies, combining simplicity and utility. Made of the very best steel, which will outlast several cheaper tools of the same class.  
No. 4P. 4-prong .....\$0.70  
No. 6P. 6-prong ..... .80



**HALF MOON HOES**

Best steel, solid sockets, which will not pull out.  
No. HM3. 3-inch.....\$0.65  
No. HM4. 4-inch..... .70  
No. HM5. 5-inch..... .75  
No. HM6. 6-inch..... .80  
No. HM7. 7-inch..... .85  
No. HM8. 8-inch..... .90

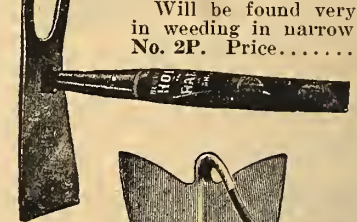


**SQUARE HOES**

No. G06. 6-inch, solid shank.....\$0.75  
No. G07. 7-inch, solid shank..... .80  
No. G08. 8-inch, solid shank..... .85  
No. 010. 10-inch, for celery..... 1.25  
No. K14½. 14-inch, for celery..... 1.75

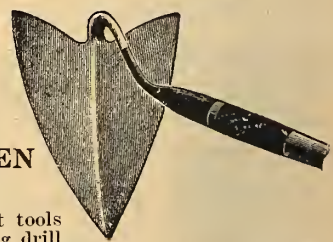
**TWO-PRONG ONION HOE**

Will be found very valuable in weeding in narrow rows.  
No. 2P. Price.....\$0.65



**WARREN HOES**

Excellent tools for making drill preparatory to sowing of seed. The backs can be used for covering.  
No. W7.....\$0.90 | No. W8.....\$1.00



**WEED PULLERS**

For use on lawns, etc.

No. 1. Cleveland Style. This device enables the operator to stand almost erect, which does away with the tiresome method of pulling weeds. It extracts them completely, root and top. Price, 75c.

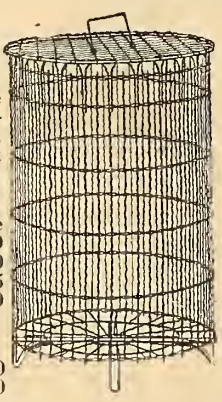
No. 4. Heavy Dock Lifter. For use in field and on the farm. Capable of extracting the most deep-rooted weeds. Price, \$3.00.



**RUBBISH CONSUMERS**

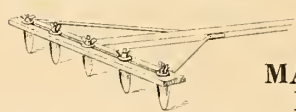
Made of galvanized wire, an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property.

Light Wire  
Diam. High Price  
A, 12 in. x 18 in.. \$1.50  
B, 15 in. x 22 in.. 2.00  
C, 18 in. x 26 in.. 2.25  
D, 21 in. x 31 in.. 3.50  
Extra Heavy Construction  
E, 20 in. x 30 in. \$10.00  
F, 24 in. x 36 in. 14.00



**MARKING RAKES**

These are for marking out garden rows; adjustable brass teeth, which are set for any width row desired up to 4½ ft. Price, \$7.00. Extra teeth, 60c. each.





## BATEMAN FIELD HOE

For digging up stubble, small stumps, etc.

- No. 1. 5½-inch blade, each.....\$1.75
- No. 2. 6½-inch blade, each..... 2.00
- No. 3. 8 -inch blade, each..... 2.25



## TOMATO TRANSPLANTING HOE

No. 41. Avoids kneeling when planting. Made of best steel. Price \$1.00.



## SCUFFLE HOES

Made of best English steel.

- 4-inch .....\$0.75      7-inch .....\$0.90
- 5-inch ..... .80      8-inch ..... .95
- 6-inch ..... .85      10-inch ..... 1.25

Handles for Scuffle Hoes, 15c each extra.



## MEHLER GARDENER

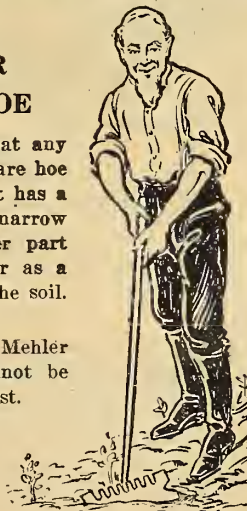
An entirely distinct tool. Avoids bending the back. Works closer to the plant than any other device. No hoe is needed where this is used. Just the thing for working among flower and vegetable plants. \$1.25 each. Not mailable.



## MEHLER HANDY HOE

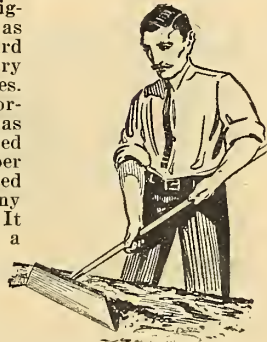
This will do what any half-moon and square hoe will accomplish. It has a wide side and a narrow side, while another part of it will answer as a rake to pulverize the soil. Price, \$1.25.

Please note. — Mehler Garden Tools cannot be sent by Parcel Post.



## MEHLER HANDY SCRAPER

This was originally designed as a dropping-board scraper in poultry and pigeon houses. It gets in the corners easily and has a sharp crimped edge on the upper side, which is used to loosen up any hard substance. It is also suited for a variety of other work around the farm or garden. Price, \$1.25.



## MEHLER EDGER

Designed so as to make it suitable for edging gravel, dirt or cement walks. It is the only edger made that has a perfect arrangement on it for foot pressure, which makes easy edging possible. A device on the rear end of the hoe makes it suitable for running along the edge of the path, after the turf has been cut. Price, \$1.25.



## STEEL SPADES

- Ames .....\$2.25
- Maynard ..... 2.25
- Imperial ..... 1.35
- Long Handle ..... 1.50
- Nursery ..... 2.50
- Drain ..... 1.50
- Boys' ..... 1.35



## GARDEN SETS

For ladies and children, in fact they are suitable for the country gentleman, consisting of 1 hoe, 1 rake and 1 spade, No. 3PF. Large size, per set, \$1.50.

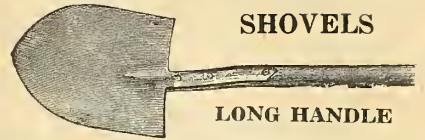


## SHOVELS

We handle only the very best makes of steel shovels. Every one is guaranteed to give entire satisfaction.

### SHORT HANDLE

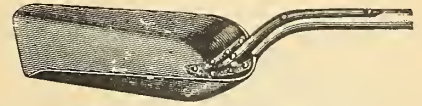
- Ames, round point .....\$2.25
- Ames, square point ..... 2.25
- Maynard, solid socket, square point... 2.25
- Maynard, solid socket, round point... 2.25
- Imperial, round point ..... 1.35
- Imperial, square point ..... 1.35



## SHOVELS

### LONG HANDLE

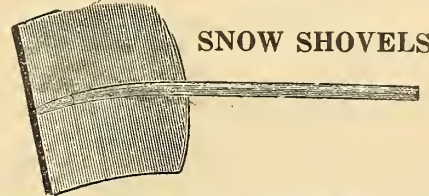
- Ames, round point .....\$2.25
- Imperial, round point ..... 1.35
- Imperial, square point ..... 1.35
- Featherweight, 4¼ lbs., round point.. 1.50
- Maynard ..... 2.25



## STEEL SCOOP SHOVELS

All equipped with strapped shanks, wood D or short handles.

- No. 2, 10-inch mouth .....\$1.15
- No. 3, 11-inch mouth ..... 1.25
- No. 4, 11½-inch mouth ..... 1.40
- No. 5, 12-inch mouth ..... 1.50
- No. 6, 13-inch mouth ..... 1.60



## SNOW SHOVELS

- Adams, wood (see cut), wood-D handles .....\$0.75
- Phillips, wood, long handle ..... .75
- Galvanized, style like Adams..... 1.25



## REDDICKS POTATO SCOOP

Made of heavy steel wire .....\$2.50



## IMPLEMENT HANDLES

- Ax .....\$0.25
- Spade, plain ..... .75
- Fork, Spading, plain ..... .75
- Fork, Manure plain short ..... .75
- Fork, Manure, plain long ..... .50
- Fork, Hay, plain ..... .35
- Fork, Boys' plain ..... .40
- Shovel, short, plain ..... .75
- Shovel, long, plain ..... .50
- Spade, short, plain ..... .75
- Hoe, plain ..... .15
- Rake, plain ..... .15
- Pick or Mattock, plain ..... .30
- 12-foot Poles ..... 1.00
- 14-foot Poles ..... 1.25
- 16-foot Poles ..... 1.50



## MANURE DRAGS

For manure, potatoes, etc. Flat tines. No. 4BHF. 4 tine...\$0.80  
No. 6BOH. 6 tine.. 1.00



**SPADING FORK**

Strapped shanks, short or D-wood handle. Made of best quality steel.  
 No. OHW. Men's, 4 tine.....\$1.50  
 No. O5HW. Men's, 5 tine..... 1.75  
 No. B4D. Boys' or Ladies', 4 tine.. .80



**MANURE FORKS (Strapped Shanks)**

No.		Price
04W	—4 tine, light, short handle...	\$1.25
163	—4 tine, heavy, short handle..	1.65
05W	—5 tine, medium, short handle	1.65
06W	—6 tine, medium, short handle	1.65
044½	—4 tine, long handle.....	1.25
054½	—5 tine, long handle.....	1.50



**STEEL HAY FORKS**

Equipped with strapped shanks.  
 No. 026—2 tine, 6 ft. handle.....\$1.00  
 No. 035—3 tine, 6 ft. handle..... 1.10

**ENGLISH DIGGING FORK No. EB4**

Though made in America, it is made exactly after the pattern of garden forks such as are made and used in England. The prongs are solid steel, with square instead of rounded edges, which adapts it especially for digging in heavy soil, in which it works with ease. Every gardener should add one of these to his collection of tools, as we know it will give him splendid satisfaction. \$1.75 each.



**HAZELTINE'S HAND WEEDER**

40 Cents. Parcel Post Weight, 1 lb.



**ENGLISH STEEL WEEDER No. 1792**

65 Cents. Parcel Post Weight, 3 lbs.

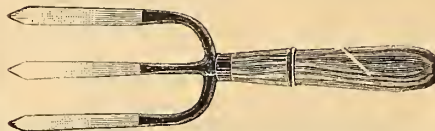


**MAKEFIELD WEEDER**

50c. each. P. P. Weight, 1 lb.



30 Cents. Parcel Post Weight, 1 lb.

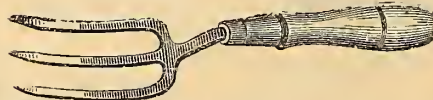


**EUREKA WEEDING FORK No. G**

35 Cents. Parcel Post Weight, 2 lbs.

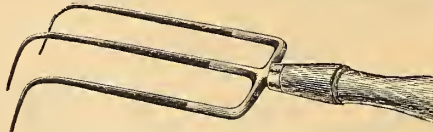
**ENGLISH WEEDING FORK No. 1**

Very similar to the Eureka, except that it is heavier and of better quality. If you want a weeding fork that will last a lifetime, buy this one. Price, \$1. Parcel Post Weight, 2 lbs.



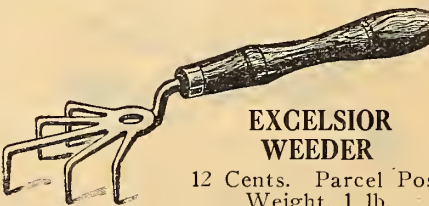
**EXCELSIOR WEEDING FORK, No. 300**

12 Cents. Parcel Post Weight, 1 lb.



**EUREKA WEEDER No. E**

35 Cents. Parcel Post Weight, 2 lbs.



**EXCELSIOR WEEDER**

12 Cents. Parcel Post Weight, 1 lb.

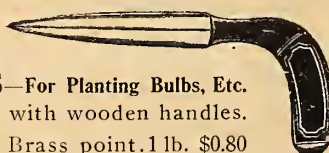


**MAGIC WEEDER**

Short Handle, 30c.  
 Parcel Post Weight, 2 lbs.

**YODER WEEDER**

Long handle; similar to the Magic otherwise. 85c.



**DIBBLES—For Planting Bulbs, Etc.**

Equipped with wooden handles.

No. 2180. Brass point. 1 lb. \$0.80  
 No. 218. Iron point. 1 lb. .50

All prices subject to change without notice



**JOHNSON STEEL TROWELS, No. 211**

These are made of one piece steel blade and shank, equal to the imported trowels.

	P. P. Wt.		P. P. Wt.
5 in.....	1 lb. \$0.50	7 in.....	1 lb. \$0.70
6 in.....	1 lb. .65	8 in.....	1 lb. .80



**D. S. T. STEEL SHANK TROWEL**

These are somewhat long in blade and handle, making a very practical tool. 6-in. blade. Will last a lifetime. 85c. each.

Parcel Post Weight, 1½ lbs.



**CLEVES' ANGLE TROWEL No. 217**

For getting dandelion, plantain and other weeds out of the lawn and transplanting.

No.		P. P. Wt. Each
5 inch.....	1 lb.	\$0.20
6 inch.....	1 lb.	.25
7 inch.....	1 lb.	.30



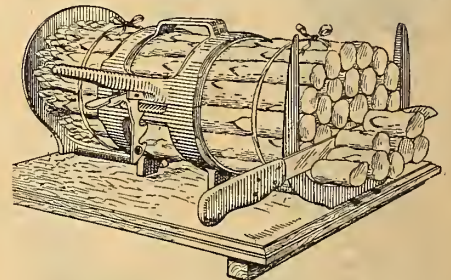
**LONG-HANDLED ENGLISH TROWEL No. 1795**

Just the thing that prevents kinks in the back. 60c. each.

Parcel Post Weight, 2 lbs.

**MISCELLANEOUS TROWELS**

No.		Weight	
No. 213—5 in.....	½ lb.		\$0.12
No. 213—6 in.....	½ lb.		.15
No. 5—6 in., heavy steel..	1 lb.		.25



**ASPARAGUS BUNCHERS**

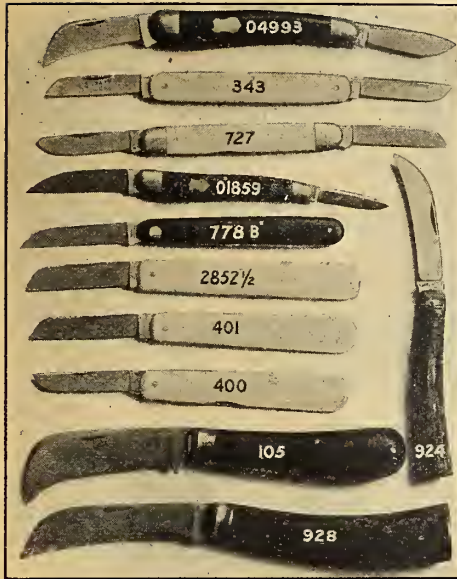
Even where one has a limited amount of asparagus to market, it pays to use a buncher. It is tied quickly and looks uniform. Price, with knife guard, \$3.00.



**ASPARAGUS KNIVES**

No. 45. Batemans (see cut).....\$0.50  
 Fig. 110, No. 3 American. V-shaped blade, short handle..... .60  
 Fig. 110, No. 3. American. V-shaped blade, long handle..... .75

(ht)



## HORTICULTURAL KNIVES

A good knife is an essential to every gardener and florist. Our stock consists of such styles that are practical and in demand. They are all of the best steel. Every one is guaranteed to be perfect and give good satisfaction. (See key to illustrations in above column.)

No.	Blades	Style Handle	Each
343	2	Saynor, brass lined, ivory	\$2.25
727W	2	Brass lined, white	1.00
04993	2	Steel lined, elbow	1.00
400	1	Saynor, not lined, ivory	2.00
401	1	Saynor, not lined, ivory	1.75
2852 1/2	1	Not lined, bone	1.00
928	1	English, steel lined, stag	1.75
924	1	English, steel lined, stag	1.25
778B	1	Brass lined, ebony	.75
105	1	Heavy, steel lined, cocoa	.75
303	2	Saynor Pruning, stag	1.50
01859	2	Budding and Pruning	.85



## BRUSH OR BRIAR HOOK

No. 43. Steel cutting blade, long handle. Price \$1.00



## STEEL HEDGE KNIVES

For cutting heavy brush, shrubbery, hedge, etc. Made of the finest steel with a slight hook on blade. Each, \$1.50.



## ENGLISH BILL HOOKS

For trimming heavy shrubbery, trees, etc. P. P. Weight, 4 lbs. Short handle \$2.25 Long handle 2.75



## GRAFTING WAX

1/4 lb. 15c.; 25c. 1/2 lb.; 1 lb. 35c.; \$1.25 per 5 lbs.



## GRAFTING TOOL

Best English steel for grafting trees, etc.

With wood handle \$0.85 All steel .65 Parcel Post Weight, 1 lb.



## TREE SCRAPERS

For removing loose bark from trees prior to spraying. Steel blade may be detached and sharpened. No. 5, short handled, 75c. Parcel Post Weight, 1 lb.

## TREE OR BARK BRUSHES

For brushing down trees, for removing insects, borers, etc. Made of steel. Price, 8 1/2-inch, 35c.

## WHITEWASH BRUSH

No. 8. Very best quality made. 7 in., each, \$1.35. P. P. Wt., 2 lbs.



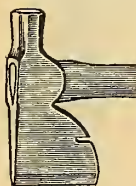
## STEEL HAMMERS

Price, 85c. each.



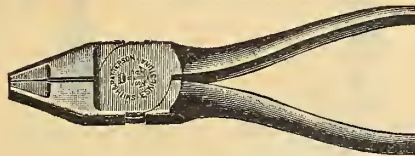
## AXES

Kelly. Perfect, medium \$1.50 Kelly. Perfect, boys' 1.25



## HATCHETS

F. R. Plumb, heavy \$1.25



## STEEL PLIERS

No. P. P. Wt. 1133. Side cutting, 6 in. 1 lb. \$1.75 1133. Side cutting, 7 in. 1 lb. 2.00 1195. Side cutting, button 8 in. 1 lb. 1.00



## COE MONKEY WRENCHES

For machinery. Made of first quality hard steel. 8-inch, \$1.00; 10-inch steel, \$1.25.



## CHAMPION SCREW DRIVERS

P. P. Wt. No. 23. 4-inch blade 1 lb. \$0.35 No. 23. 6-inch blade 1 lb. .45 No. 23. 8-inch blade 1 lb. .55



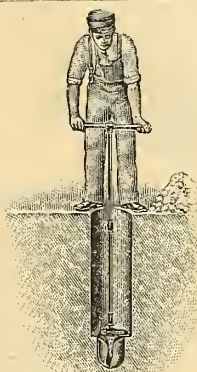
## PICKS (Price includes Handle)

All steel. Double point, \$1.25; axe point, \$1.25.



## MATTOCKS (Price includes Handle)

Axe, pointed (see cut) \$1.25 Pick, pointed 1.25 Half Mattocks or Grub Hoes 1.00



## No. 8 POSTHOLE DIGGER

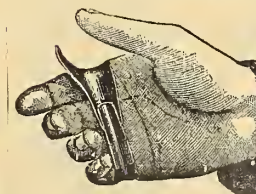
(See Cut)

This bores a hole 3 1/2 ft. deep and can be adjusted in diameter from 8 to 14 inches. \$4.00.

No. 15 Eureka Post-hole Diggers, \$1.50.

Post Hole Spades. All steel with either point or tamper end. \$2.25.

## HUSKING PINS



No. 15. Universal. (See cut). All metal; adjustable to any size hand. 25c.

No. 16. Combination; leather and metal. 35c.

No. 17. The Boss; leather and metal; adjustable. 25c.

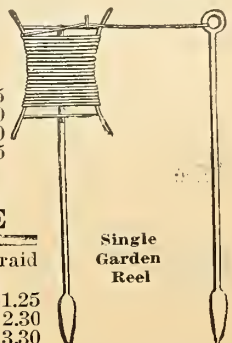


## CORN KNIFE

Eureka, bent blade. Weight, 2 lbs. \$0.75

## GARDEN REELS

Small, Single \$0.75 Medium, Single 1.00 Large, Double 3.00 Large, Single 2.25



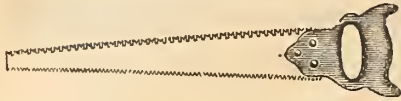
## GARDEN LINE

Best quality cotton braid woven closely.

100 ft. hanks \$1.25 200 ft. hanks 2.30 300 ft. hanks 3.30

Plow Line Cotton, 45-ft. hanks, 75c.

# MICHELL'S FARM AND GARDEN TOOLS



## DISSTON PRUNING SAWS

	P. P. Wt.	Each
No. 40. 18-inch. Avery double edge	2 lbs.	\$0.90
No. 40. 20-inch. Avery double edge	2 lbs.	1.25
No. 7. 16-inch. Single edge	2 lbs.	1.00
No. 7. 18-inch. Single edge	2 lbs.	1.25
No. 7. 20-inch. Single edge	2 lbs.	1.40
No. 7. 22-inch. Single edge	2 lbs.	1.50



## CROSS CUT LOG SAWS

Disston Make.

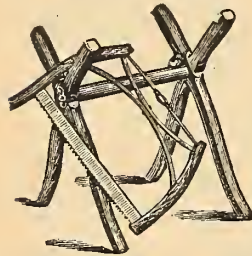
Keystone No. 3, one-man, 3 1/2 ft. blade	\$3.00
Gt. American, two-man, 5 ft. blade	5.00



## CARPENTER SAWS

State if rip or cross cut is wanted.

Disston No. 8D. 26-inch blade	\$2.75
Disston No. 8D. 28-inch blade	3.00



## BUCK SAW

Each ..... \$1.25

## SAW-HORSE or WOOD BUCK

Each ..... \$0.60



## EXTENSION LADDERS

These are made in the best manner possible, are complete, being equipped with the necessary rope and pulleys.

16 feet	\$5.60	26 feet	\$9.10
18 feet	6.30	28 feet	9.80
20 feet	7.00	30 feet	10.50
22 feet	7.70	32 feet	11.20
24 feet	8.40	34 feet	11.90

## SINGLE PLANK LADDERS

Made of good hard wood, free from faulty knots; with perfect rounds.

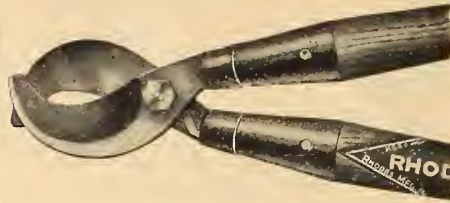
10 feet	\$2.50	16 feet	\$4.00
12 feet	3.00	18 feet	4.50
14 feet	3.50	20 feet	5.00

Larger sizes up to 24 feet, at 25c. ft.



## LEATHER PRUNING GLOVES

	P. P. Wt.	Pair
Buckskin	1 lb.	\$2.50
Buckskin, with gauntlets	1 lb.	3.50



## LOPPING SHEARS

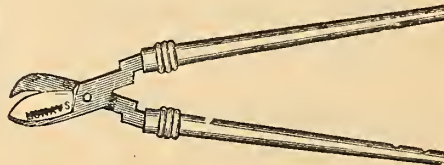
For trimming trees and cutting heavy hedges.

## RHODES DOUBLE CUT

(See illustration above)

Makes an absolutely clean, perfect cut; the blades are concave at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating Lopping Shears ever made or sold. 24-inch and 28-inch handles. Price, \$3.25.

Parcel Post Weight, 5 lbs.



No. 109 English Lopping Shears. 4-inch cut, made of the finest English steel, has great cutting power; will sever heavy branches readily. Price, \$4.50. (See cut above.)

No. 1 Clyde Lopping Shears. 25 inches long, a splendid medium-priced tool, made of good steel. Weight, 5 lbs.; 1 1/2-inch jaw. Price, \$1.50.

No. 2 Clyde Lopping Shears. 26 inches long. Weight, 5 lbs. This shear has a straight jaw so that it will handle a limb up to at least 2 1/2 in. diameter; fitted with an adjusting nut to keep it tight. Price, \$2.50.



Disston's Little Giant Pole Pruner

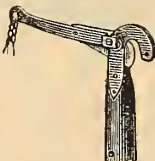


Disston's Little Giant Pruner and Saw

Disston's Little Giant. Pruner.....\$1.75  
Parcel Post Weight, 3 1/2 lbs.

Disston's Little Giant. With saw attachment (see cut) ..... 2.50  
Weight, 4 lbs.

The above prices without rope or pole.



## TELEGRAPH TREE PRUNER

This has a removable blade which can be renewed when worn out for 25c. Price, plain as in cut, \$1.25.

Parcel Post Wt., 2 lbs.

## WATERS TREE PRUNERS



With removable cutting blade and pole complete.

4 feet	\$1.00
6 feet	1.25
8 feet	1.50
10 feet	1.75
12 feet	2.00
14 feet	2.25

Extra Blades for Waters Pruners, 25c. each.

None of the above Tree Pruners except the Waters are equipped with poles or rope.

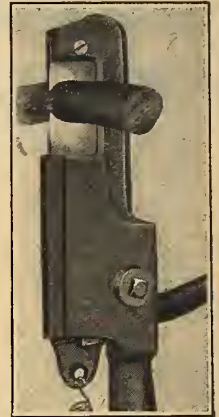
Waters Pruners are not available.

## POLES FOR TREE PRUNERS

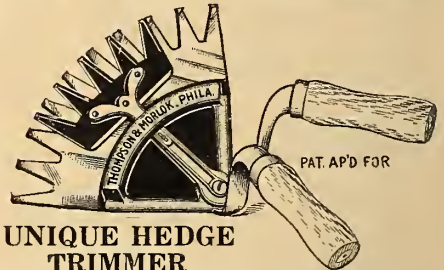
12 feet long, 1 1/4 inches diameter.	\$1.00.
14 feet long, 1 1/2 inches diameter.	\$1.25.
16 feet long, 1 1/2 inches diameter.	\$1.50.

## DEXTER TREE PRUNER

The Dexter is a tool of 100 per cent. efficiency and is all that a pruner should be. It does the work with greater ease, economy and safety than any other pruner. Price, \$4.00 each.

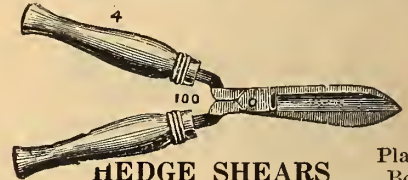


Dexter Pruner



## UNIQUE HEDGE TRIMMER

A practical tool for trimming the summer growth of hedge, and does the work in 1/4 the time required with an ordinary hedge shear. When cutting a hedge with the Unique Trimmer, the sides and any special shaped hedge can be cut as readily as straight-away work. Cuts 11-inch swath. Price, \$6.00. Parcel Post Weight, 5 lbs.



## HEDGE SHEARS

	P. P. Wt.	Plain Bolt Each
107. 6 1/2-inch, Ladies'	4 lbs.	\$1.35
101. 8-inch	4 lbs.	1.80
101. 9-inch	5 lbs.	2.00
101. 10-inch	5 lbs.	2.25
101. 12-inch	6 lbs.	3.00

Bolts and Nuts for hedge shears, 15c. complete.  
Handles for Hedge Shears, 50c. per pair.  
P. P. Weight on Handles, 2 lbs. per pair.

# MICHELL'S FARM AND GARDEN TOOLS, ETC. 177

## PRUNING SHEARS, ETC.

Our pruning shears are procured from the most reliable makers in America and Europe and all but 1401½ are fully guaranteed.



Wiss Pruning Shears

No.		P. P. Wt.	Each
109	Wiss, 8 in.....	2 lbs.	\$2.75
60	Pexto American, 9 in..	2 lbs.	1.00
65	Pexto American, 9 in..	2 lbs.	1.25
165	Pexto American, 9 in..	2 lbs.	1.50
R165	Pexto American, 9 in..	2 lbs.	1.75
R 70	Pexto American, 9 in..	2 lbs.	1.75
R170	Pexto American, 9 in..	2 lbs.	2.25



No.		P. P. Wt.	Each
88	Hessenbruch, 8 in..	2 lbs.	\$1.50
1537	Special, 8 in.....	2 lbs.	.75
1401½	Special, 6½ in....	2 lbs.	.60
14	Nickeled, 6½ in....	1½ lbs.	1.00
0	American .....		.40

**Spiral Springs** for any of the above Pruning Shears. 15c. each; per doz., \$1.50.

Parcel Post Weight, per doz., ½ lb.



## FRENCH PRUNING SHEARS

These have a distinct, very easy working spring and are desirable for one whose hand is liable to fatigue.

No.		P. P. Wt.	Each
No. 1542.	7 inch.....	2 lbs.	\$1.60
No. 1542.	8½ inch.....	2 lbs.	2.00

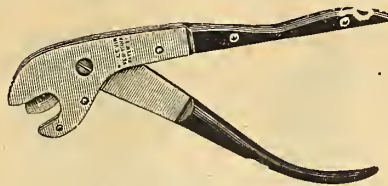
Springs for French Pruning Shears. .30

## HAPPY JACK SAILOR WINDMILL



An interesting feature for the children's garden, although they are equally practicable for the grown-ups. They revolve with the least puff of wind, and on account of their looks they serve as a scarecrow for undesirable birds or animals. They can be fastened to any tree, post, house or wash line pole. Please note

while this illustration shows a pipe in the mouth of Happy Jack, the manufacturer is now omitting this feature. P. P. W., 3 lbs. Height, 15 in., \$1.25 each.



## LEVIN PRUNER No. 23

The handle of these shears affords a great deal of leverage, which makes very easy cutting possible. Price, 85c. Weight, 2 lbs.



## WIRE AND TIN SHEARS

No. 833. 7½ inch, used for cut flower wire, etc.....\$1.00  
 No. 832. 8 inch, used for cut flower wire, etc. .... 1.00  
 Parcel Post Weight, 1 lb.  
 10 inch for heavy wire and tin..... 1.50  
 8 inch for heavy wire and tin..... 1.25  
 Parcel Post Weight, 2 lbs.

## FLOWER SCISSORS

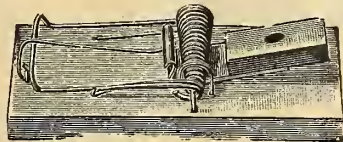


No. 1922. Cuts flower and holds the stem. Nickeled, \$1.25. P. P. Weight, 4 ozs.

## GRAPE SCISSORS



No.		P. P. Wt.	Each
No. 6148.	6 inch.....	8 ozs.	\$1.30
No. 6148.	6½ inch.....	8 ozs.	1.50
No. 6148.	7 inch.....	8 ozs.	1.85
No. 6148.	8 inch.....	8 ozs.	2.00



Out-of-Sight Rat Trap

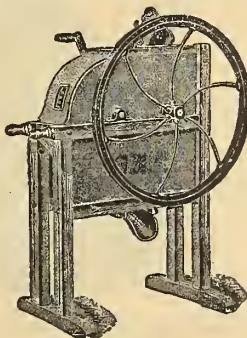
## OUT-O'-SIGHT TRAPS

The most satisfactory mouse and rat trap. Set off at the least vibration.

	P. P. Wt.	Each	Doz.
Mouse .....	8 ozs.	\$0.10	\$1.00
Rat .....	1 lb.	.25	2.50

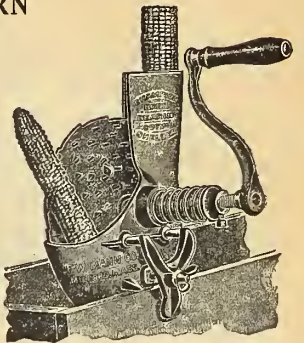
## PENNA. CORN SHELLER No. 3

Will be found useful on every farm and private estate. Separates the corn from the cob, throwing the cob to one side and allowing the corn to pass out at another. Price, \$12.00.



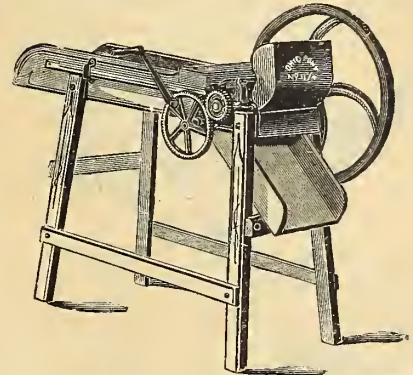
## MANN'S CORN SHELLER

Excellent for small poultry farms, etc. Ball-bearing, suitable for fastening to a bench, box, etc. Price, \$3.00.



## BLACK HAWK CORN SHELLER

For shelling small quantities of corn. \$2.50 each.



## OHIO HAY AND FEED CUTTER

This is considered the finest machine for cutting hay, ensilage, etc.

No. 11¼. Single knife, \$17.50.  
 No. 11½. Double knife, \$25.00.

**Mann's Clover Cutter.** Plain, \$10.00; on stand, \$12.50.

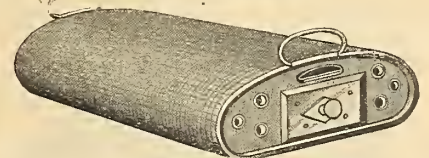
## BANNER ROOT CUTTERS

No. 7. For poultry, sheep and lambs. \$6.00.

Roots of vegetables cut up fine take the place of grass and greens during the winter months. We can also supply



larger sizes of root cutters.

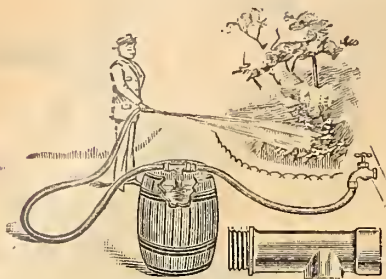


## AUTOMOBILE HEATER

These will keep the temperature above freezing in most any ordinary closed vehicle during the severest weather. Just the thing for either a limousine or an open car.

No. 7B. Lehman, covered with green Brussels carpet; 14-in. long. \$5.50 each. Coal for automobile heaters, 85c. per doz. bricks.

Tongs for handling hot coal, 30c. pair.



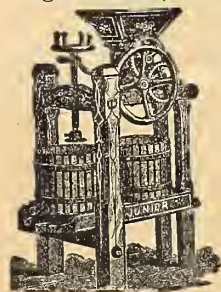
### LIQUID MANURE DISTRIBUTOR

This can be attached to hose with which you are watering and, connected with a barrel of liquid manure, the suction of water will draw a quantity of manure with it. All brass. \$3.50 each.



### BOSS FRUIT PICKER

Made substantially of galvanized wire. Can easily be attached to a pole of any length. Price, 40c. P. P. Weight, 2 lbs.

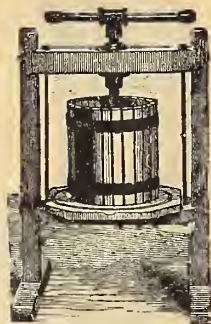


Cider Mill

### WINE PRESSES

Made of best quality wood, carefully bolted and finished.

- No. 1 .....\$5.50
- No. 2 ..... 6.00
- No. 2½ ..... 7.50
- No. 3 ..... 8.50

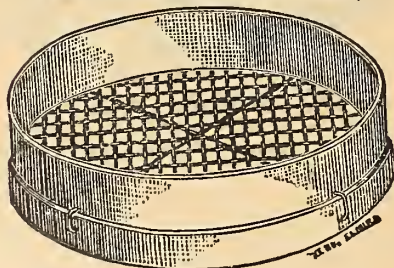


Wine Press

### GRAPE GRINDER

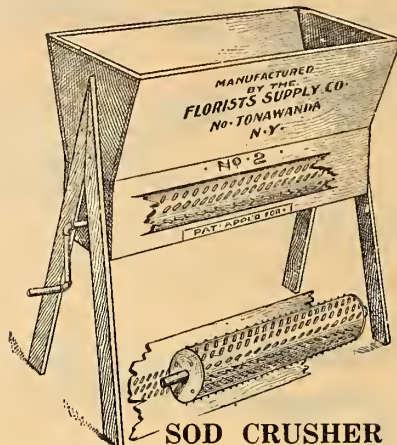
Suitable for crushing berries, grapes and similar soft fruit. Price, \$4.25.

### SIEVES (Any Size Mesh)



Made extra well.

- 20-inch Extra heavy.....6 lbs. \$1.50
- 20-inch Regular wire.....6 lbs. 1.25
- 18-inch Regular wire.....6 lbs. 1.15



### SOD CRUSHER AND SOIL PULVERIZER

These machines are equipped with a hopper and a roller, the latter being spiked. It is turned by means of a handle and crushes the soil perfectly, avoiding the necessity to sift.

- No. 1, \$20.00 | No. 2, \$25.00 | No. 3, \$35.00



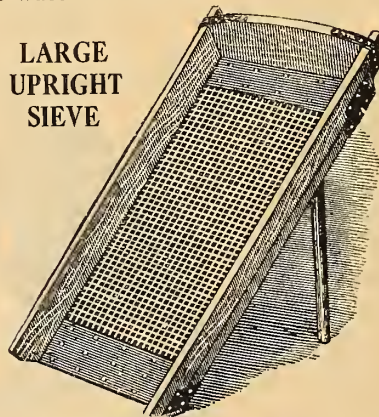
### HOT-WATER STOVE

An excellent make. Efficient and economical in coal consumption. For heating hot beds, small greenhouses, conservatories, poultry houses and garages they are just the thing. They can easily be installed and connected by almost any handy man. Price quoted below is for the stove only.

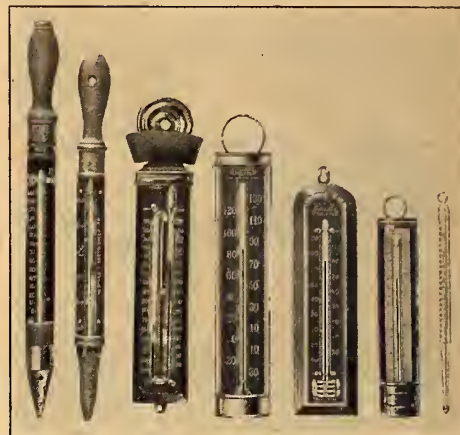
Capacity of in Pipe	Radiation	
No. 0.....150 ft.	50 sq. ft....	\$20.00
No. 1.....200 ft.	75 sq. ft....	26.00
No. 2.....400 ft.	150 sq. ft....	37.50
No. 4.....600 ft.	300 sq. ft....	50.00

Send for full descriptive list on these hot water stoves.

### LARGE UPRIGHT SIEVE



For soil, gravel, sand, etc. Made in any size mesh, of extra heavy foundry wire. \$12.50 each.



5154 5100 5420-B 5724

### THERMOMETERS

#### MAXIMUM AND MINIMUM

Registering the coldest and the warmest point during the previous night.

8 inch, each, \$3.50; 10 inch, each, \$4.00.

#### TESTED THERMOMETERS

	Each	Doz.
No. 5420B—8 in., Tin Case...	\$0.60	\$6.00
No. 5420B—10 in., Tin Case...	.75	7.50
No. 5420B—12 in., Tin Case...	1.00	11.00
No. 5154—8 in., Coppered Case	.85	8.50
No. 5154—10 in., Coppered Case	1.00	11.00
No. 5100—8 in., Wood Back, Black Scale .....	1.25	14.00
Black Scale, 10 in.....	1.50	16.00

#### STANDARD THERMOMETERS

White scale, tin case; very reliable.  
No. 5420W—8 in..Each \$0.40 Doz. \$4.25  
No. 5420W—10 in..Each .55 Doz. 6.00

#### MUSHROOM OR HOTBED THERMOMETERS

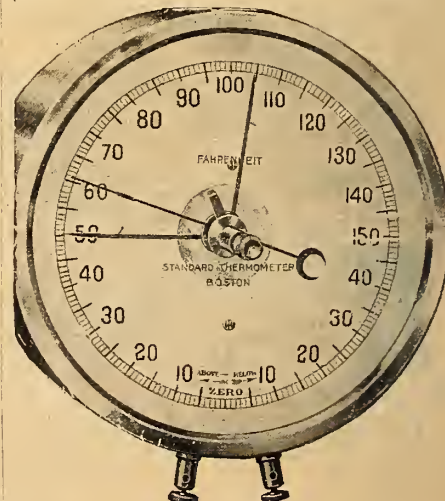
Galvanized Iron Point.....Each \$1.25  
Brass Point .....Each 1.75

#### GLASS DAIRY THERMOMETERS

No. 5724. For testing milk, etc., also used for soil purposes. 50c. each.

#### ELECTRIC THERMOSTAT

This device can be set to ring an alarm when the temperature goes above or drops below a desired point. All brass. Regular style, \$8.00; Waterproof style, \$11.00. See illustration below.





## GLAZING POINTS

Peerless. Made of zinc with tinned finish; can be used on right or left hand side of sash bar. Three sizes.

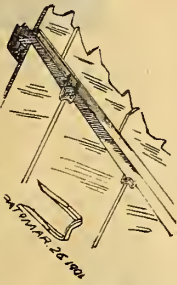
No. 1 for single thick glass.

No. 2 for single thick glass.

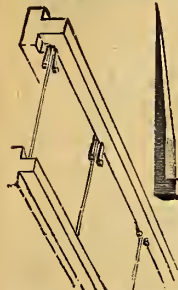
No. 2½ for double thick glass.

Price, 60c. per 1000. By mail, 10c. per 1000 extra.

Nos. 1 and 2. Michell's Glazing Points. Quite like the Peerless style. No. 2 and 2½, 60c. per 1000. (By mail, 70c.)



Peerless Point



Siebert's Glazing Point

**Pincers.** For driving Michell's and Peerless Points, 50c. By mail, 55c.

**Siebert Style.** Made with a prominent head; cannot rust; easily driven. 5-8, 6-8 and 7-8 inches long. Zinc, 55c. per lb.; 5 lbs., \$2.60.

1000 to 1200 in a lb. Brass. 90c. lb.; 5 lbs., \$4.00.

**Zinc Glazing Nails.** 50c. per lb.; 5 lbs., \$2.40.

## FEDERAL GLAZING CEMENT

1 gal. .... \$1.75 | 5 gal. .... \$7.00



## GLASS CLAMPS

For supporting broken lights of glass. Per box of 100, \$1.75. P. P. Wt., 1¼ lbs.

## TWEMLOW'S PUTTY

Superior to putty, more easily applied and lasting. Can be put on with a putty bulb or mastic machine.

16-lb. can (1 gal.) P. P. Wt., 18 lbs. .... \$2.50  
50 lbs. (5 gals.) ..... 7.20  
80 lbs. (5 gals.) ..... 11.25

## HAMMOND'S GREENHOUSE WHITE

A superior white paint. 1 gal., \$3.75.



Illinois Self-Watering Hanging Basket.

## ILLINOIS SELF-WATERING

Hanging Baskets, Porch and Window Boxes.

Made entirely of metal, handsomely finished and enameled dark green. Warranted five years against rot, rust or leakage.

Constructed with reservoir in bottom, which automatically waters plants at the roots for 10 to 20 days without attention. Suitable for living room, conservatory, enclosed and open porches; also windows.

It requires 4 chains to hang a basket, so in remitting please include sufficient to cover payment for the hanging chain, remembering that if you want the basket to hang 2 feet, this distance should be multiplied by 4 to pay for the number of feet of chain required.

## ILLINOIS HANGING BASKETS

You will never know how nice a Hanging Basket is until you have tried the "Illinois" style. No taking down to water. No attention at all except filling reservoir once a week.

No.	Size	Depth	Water capacity	Price
8	8 in. sq.	7 in.	1 qt.	\$1.25
10	10 in. sq.	7 in.	1½ qt.	1.60
12	12 in. sq.	8 in.	2½ qt.	1.90
14	14 in. sq.	9 in.	3½ qt.	2.15

Chain for hanging baskets, 8c. ft.

**Rustic Bark (Cedar).** For covering boxes, columns or any other article. Per sq. ft., 10c.; \$2.00 per 25 sq. ft.; 50 sq. ft., \$3.75; over 50 sq. ft., at 7c. per sq. ft.



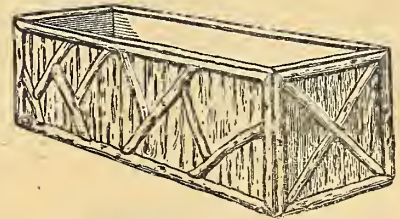
## ILLINOIS PORCH BOXES

Wider and deeper than the window box; also slightly smaller across the bottom than across the top. Brass eyelets are ranged along the top edges so they may be hung from the cornice of porch if desired.

No.	Height	Width	Length	Water capacity	Price
21	9 in.	12	37 in.	7 qts.	\$3.50
22	9 in.	12	41 in.	8 qts.	4.00
23	9 in.	12	45 in.	9 qts.	4.25
24	9 in.	12	49 in.	10 qts.	4.50
25	9 in.	12	53 in.	11 qts.	4.75

## ILLINOIS WINDOW BOXES

No.	Height	Width	Length	Water capacity	Price
1	8 in.	9½	23 in.	2½ qts.	\$2.00
3	8 in.	9½	27 in.	3½ qts.	2.25
5	8 in.	9½	31 in.	4½ qts.	2.50
7	8 in.	9½	35 in.	5½ qts.	2.75
9	8 in.	9½	39 in.	6½ qts.	3.00



## WINDOW BOXES

**Wooden Rustic Bark Style.** Attractively made and neatly finished; for indoor or outdoor use.

Length	Depth outside	Width outside	Price
24-inch	7½-inch	11-inch	\$1.75
30-inch	7½-inch	11-inch	2.25
36-inch	7½-inch	11-inch	2.75

Any length made to order, \$1.00 per running foot, 11 inches wide.

**Plain Wood Style (Painted Green).** We recommend these for use at the temporary summer home in the country or at the seashore, or in cases where one may not feel like spending a larger cost than these entail. They are substantially made and finished and will last many years.

Length	Depth outside	Width outside	Price
24-inch	6½-inch	8-inch	\$1.00
30-inch	6½-inch	8-inch	1.25
36-inch	6½-inch	8-inch	1.50

Any length made to order, 60c. per running foot, 8 inches wide.

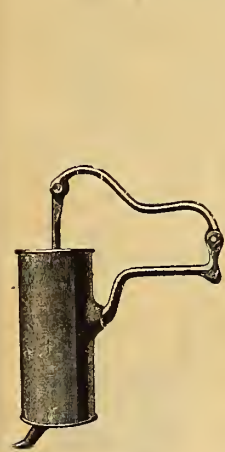
**Our Garden Tool and Sundries Department** we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.



6-Wheel Glass Cutter.

## GLASS CUTTERS

Single Wheel, steel, each ..... \$0.15  
6-Wheel, steel, each ..... .35  
Diamond (ebony handle) ..... 3.00  
Diamond (cocoa handle) ..... 4.00



Mastica Machine



Putty Distributor

## PUTTY DISTRIBUTOR

For distributing putty, mastica, etc. Price, \$1.25. Parcel Post Weight, 1 lb.

## MASTICA

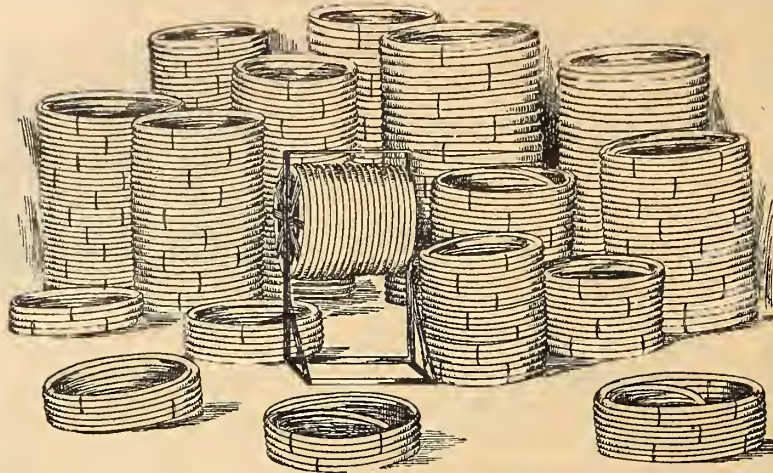
For glazing greenhouses, new or old. One gallon will cover about 300 running feet. ½ gallon ..... P. P. Wt. 8 lbs. \$1.05  
1 gallon ..... P. P. Wt. 15 lbs. 2.00

## MASTICA MACHINE

For distributing mastica, etc. Made of heavy zinc. Price, \$2.00. P. P. Wt., 2 lbs.

**HOSE**

Our stock of this is unusually reliable. Our very large sales enable us to deal direct with the factory, where we obtain lowest prices, which we in turn give our customers the benefit of. Sections of hose in lengths of 25 feet and upward coupled free; smaller sections, couplings attached, 30c. per pair.



**RUBBER HOSE**

Special attention is called to "Empire Red" Hose, a new brand which, having been thoroughly tried out, has made good.

*Michell's Special, 1/2 in....	4 ozs.	\$0.15
*Michell's Special, 3/4 in....	5 ozs.	.17
*Electric, 3/4 in....	5 ozs.	.20
*Electric, 1/2 in....	4 ozs.	.19
*Revero, 3/4 in....	5 ozs.	.19
*Revero, 1/2 in....	4 ozs.	.17
*Empire Red (corrugated)...	3/4 in.	.19
Bull Dog, 5/8 in., 7-ply....	6 ozs.	.16 1/2
Spray Pump Hose, 3/8 in....	3 ozs.	.12

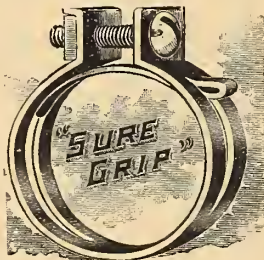
P. S.—Brands marked \* come in reels of 500 feet and sections in any length to that number of feet may be had.

25- and 50-foot sections of hose coupled free. Smaller sections coupled at the rate of 30c. per pair for couplings.

Hose Washers. For inside and outside of couplings. 8c. doz.; 1/4 lb., 30c.



Caldwell Band as applied to Hose



**HOSE BANDS**

For fastening couplings and menders.

<b>CALDWELL'S</b>		
No.	Doz.	100
8. For 3-ply hose .....	\$0.40	\$2.50
6. For 4-ply hose .....	.40	2.50
Parcel Post Weight, doz., 1/4 lb.; 100, 2 1/4 lbs.		

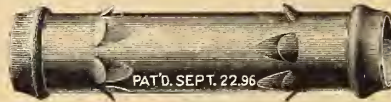
**HUDSON'S**

See illustration in Hudson Hose Mender Outfit cut opposite.

	Doz.	100
3/4-inch .....	\$0.18	\$1.00
1-inch .....	.20	1.25
Parcel Post Weight, doz., 1/4 lb.; 100, 2 1/4 lbs.		

**SURE GRIP**

3/4-inch, 5c. each; per doz., 50c. Parcel Post Weight, doz., 1 lb.; 100, 9 1/2 lbs.

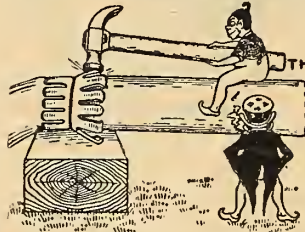


Cooper Hose Mender

**HOSE MENDERS**

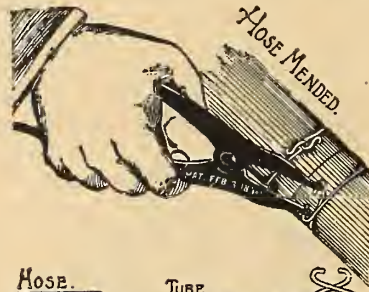
	P. P. Weight		
	Doz.	Each	Doz.
Cooper's, 3/4-inch .....	1 1/4 lbs.	\$0.10	\$1.00
Cooper's, 5/8-inch .....	1 lb.	.10	1.00
Cooper's, 1/2-inch .....	1 lb.	.10	1.00
Jones, 3/4-inch (iron) .....	2 1/4 lbs.	.06	.60
Hudson's, 3/4-inch (brass),	1/2 lb	.05	.50
Hudson's, 1/2-inch (brass),	6 ozs.	.04	.42
Republic, 3/4-inch (screw sleeve)		.15	1.50

**THE PERFECT HOSE MENDER**



Made entirely of brass, with swivel motion — no band required. For 3/4 inch hose, 12c. each; doz., \$1.20.

Parcel Post Weight, per doz., 1 3/4 lbs.



**HOSE MENDING OUTFIT**

(For 3/4-inch Hose)

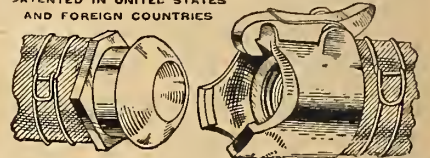
Furnishes a complete outfit, consisting of 6 menders or connections, 18 bands or fasteners, and a pair of pliers for fastening bands. Price, 85c. each. Parcel Post Wt., 1 lb.



**BRASS HOSE COUPLINGS**

	P. P. Weight		
	Doz.	Pair	Doz.
1/2-inch .....	3 1/4 lbs.	\$0.30	\$3.00
3/4-inch .....	4 lbs.	.30	3.00
1-inch .....	5 lbs.	.35	3.50

PATENTED IN UNITED STATES AND FOREIGN COUNTRIES



No. 2, Snap Coupling No. 1 Snap Coupling

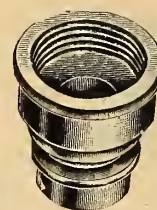
**SNAP HOSE COUPLING**

Snap Couplings are entirely new and novel. They couple hose instantly, work on a spring, and are water-tight. 30c. pair; doz. pairs, \$3.25. (Washers, 20c. doz.)

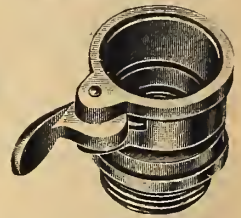
Parcel Post Weight, per doz., 2 1/2 lbs.

**SNAP COUPLING PARTS**

No. 2. Male. 12c. each; per doz., \$1.35. Parcel Post Weight, per doz., 1 1/4 lbs.  
No. 1. Female. 20c. each; per doz., \$2.00. Parcel Post Weight, per doz., 1 1/4 lbs.



No. 3



No. 4

**ACME HOSE COUPLINGS**

For quickly connecting and detaching hose. No. 3 part, for attaching to spigot, 18c. each; doz., \$2.00.

Weight, per doz., 3 lbs.

No. 4 part, for attaching to hose, 30c. each; doz., \$3.50. Weight, doz., 3 lbs.

Couplings complete, consisting of one No. 3 and one No. 4 part, 47c. each; per doz., \$5.50. Weight, per doz., 6 lbs.

**HOSE REELS**

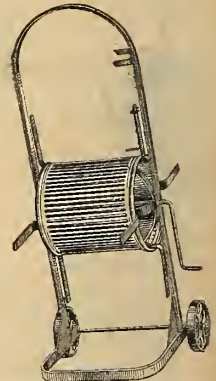
Reels are not available.

<b>WIRT'S (All Iron)</b>		
10....	100 ft....	\$4.00
20....	150 ft....	4.50
30....	400 ft....	7.00

**VICTOR HOSE REEL**

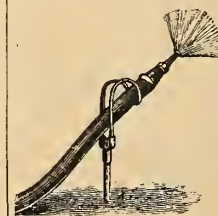
With black iron drum.

Holds 100 ft. 3/4-in. hose. See cut, \$2.50.

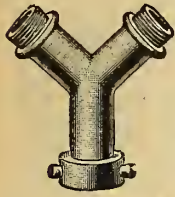


**NOZZLE HOLDERS**

For sticking in the ground while one continues with other work. Made of galvanized heavy wire. Price, 25c. each. P. P. Wt., 8 ozs.



**No. 68 SIAMESE HOSE CONNECTION**



This permits one lead of hose to be diverted in two directions. Additional three-way connections can be used according to the water pressure. It is specially adapted for lawn sprinkling. Price 85c. each. Parcel Post Weight, 1 lb.

**HOSE REDUCERS**



For reducing 1-in. pipe to fit regular 3/4-in. hose. All brass. Each .....45c. Parcel Post Weight, 1 1/2 lbs.

**HYDRANT ATTACHMENTS**

To be used for attaching hose to smooth faucets.



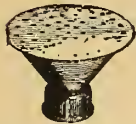
Royle Style. 40c. Parcel Post Weight, 1/2 lb.  
Boyd Style. Price ..... \$0.35  
Parcel Post Weight, 1/2 lb.

**PLAIN STREAM NOZZLES**

For 3/4-in. hose.

	P. P. Wt.	Price
5 inch	4 ozs.	\$0.40
6 inch	6 ozs.	.45
7 inch	8 ozs.	.50

**BOSTON SPRAY NOZZLE**



These render the same service as does the rose of a watering can. They are screwed on the end of the hose like any other nozzle. Coarse and fine, for 3/4-inch hose.

	P. P. Wt.	Price
Light Copper	1/2 lb.	\$0.85
Heavy Brass	1 lb.	1.25

**BOSS HOSE NOZZLE**

Price, 85c each. For 3/4-inch hose. Parcel Post Weight, 1/2 lb.

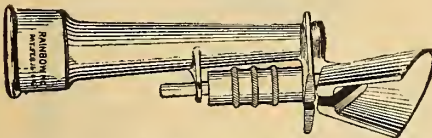


**GEM HOSE NOZZLE**



3/4-inch hose. Can be regulated to give three different streams. Price, 60c.

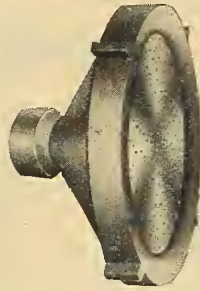
Parcel Post Weight, 1/2 lb.



**RAINBOW NOZZLE**

An all-brass device with an adjustable arrangement, which regulates in a perfect manner the character of the stream this nozzle will throw. Florists consider it one of the very best on the market today. For 3/4-inch hose. Parcel Post Weight, 1 lb. Price, \$2.00.

**Note.**—If goods are desired by Parcel Post allow for postage on weights stated.



**THE BINKS NOZZLE**

Made of aluminum, with brass face, equipped with interchangeable sprays, coarse and fine. It makes watering possible without wetting the hands. Positively the best and most indestructible nozzle made. \$2.75 each; worth twice the price. Parcel Post Weight, 1 1/4 lbs.

**WATER CANS (Wotherspoon's)**

Extra heavy with long spout. Will last for years.



Each Wotherspoon can comes equipped with two roses, one coarse and one fine.

2 quart (equipped with one rose only) .....\$1.50

	Round	Oval
4 quart	\$2.50	
6 quart	2.75	\$3.00
8 quart	3.00	3.25
10 quart	3.25	3.50
12 quart	3.75	4.00
16 quart	4.50	4.75
12 quart Manure Watering Can	4.25	
4 quart Fern or Low Watering Can	2.25	

**EXTRA ROSES OR SPRAYS**

For Wotherspoon Watering Can, either coarse or fine, 40c. each. Parcel Post Weight, 8 ozs.

**ENGLISH WATERING CANS**

Made of very heavy tin; carefully enameled inside and out; finished light green. No. 2, 4 qt. ....\$2.50 No. 3, 6 qt. ....\$2.75 No. 4, 8 qt. .... 3.25 No. 5, 10 qt. .... 3.75 English Watering Cans are not mailable.

**GALVANIZED WATER CANS**

Fine for cemetery purposes and other places where a can is desired to last several seasons. (Not mailable.)

4 quart	\$.075	12 quart	\$1.50
6 quart	.90	16 quart	1.75
8 quart	1.00	20 quart	2.75
10 quart	1.35		

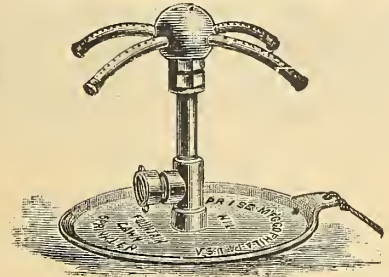
**LIGHT TIN WATER CANS**

1 quart, green	\$.035
Parcel Post Weight, 1 lb.	
2 quart, green	.40
Parcel Post Weight, 1 1/4 lbs.	
4 quart, green	.50
Parcel Post Weight, 1 1/2 lbs.	

**RUBBER APRONS**

For protecting the clothing while watering or doing any work in the garden where your clothes could become soiled. Parcel Post Weight, 2 lbs. Price, \$2.25.

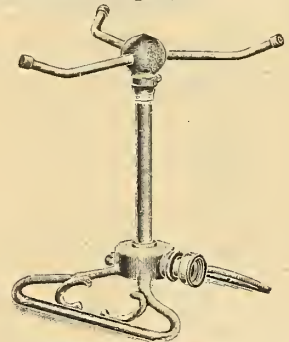
**LAWN SPRINKLERS**



	Weight	Price
Enterprise, No. 1. See cut	14 lbs.	\$4.50
Ring, Large, see cut	1 lb.	1.00
Ring or Fountain, Small	3/4 lb.	.75
Hotchkiss, No. 5, 10 1/2 in. high	4 lbs.	1.25
Pluvius, 11 in. high	3 1/4 lbs.	1.50

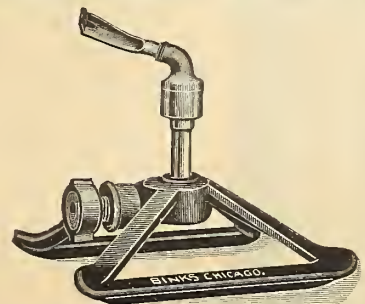


	Weight	Price
Universal, No. 65, 10 in. high	4 1/4 lbs.	\$2.00
Lawn Twin, Aluminum	1/2 lb.	.60
Eureka, No. 55, 10 in. high	3 lbs.	1.50
Aetna, 24 in. high	6 1/4 lbs.	2.25
Peck, 4 arm, 40 in. high (not mailable)		3.75

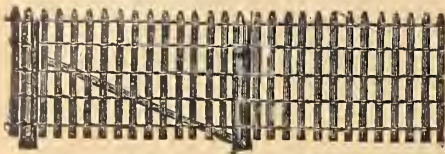


Mayflower Sprinkler

	Weight	Price
Peck, 8 arm, 40 in. high (not mailable)		\$4.50
Mayflower, 9 1/2 in. high	3 1/2 lbs.	1.50
Preston, 5 1/2 in. high	3 1/2 lbs.	1.50
Waterwitch, 8 3/4 in. high	1 lb.	.50
Dayton Rotary		7.50
C. B. G. For golf links	3/4 lb.	.25
Pennsylvania Rainmaker, Large		20.00
Pennsylvania Rainmaker, Jr. Small		10.00



Binks Rainfall Sprinkler (see illustration above). For large lawns, putting greens, etc. Covers an area 40 ft. in diameter, according to pressure. \$1.50 each.



**CEDAR PICKET FENCING**

Is tailor-made compared to the ordinary kinds of ready-made fencing. Will wear for years absolutely without paint. Readily put up and saves time, labor and expense of fence building. It is far ahead of and will outwear the old style wire fence by many years. Rolls of 50, 75 and 100 feet.

3 ft. high, with 4 gal. steel double wire cables, 9c. per running foot.

4 ft. high, with 5 gal. steel double wire cables, 10c. per running foot.

5 ft. high, with 6 gal. steel double wire cables, 13c. per running foot.

**WIRE NETTING**

Price is constantly changing and will be quoted on request.

No. 19. Galvanized, two-inch mesh, 150 running feet per bale.

Width	Prices on application	Width	Prices on application
12 inches		42 inches	
18 inches		48 inches	
24 inches		60 inches	
30 inches		72 inches	
36 inches			

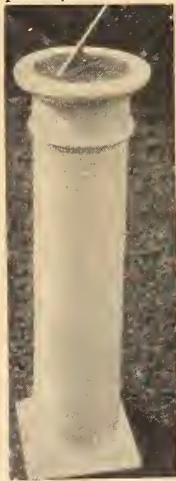
No. 20, galvanized, one-inch mesh, 150 running feet per bale.

Width	Prices on application	Width	Prices on application
12 inches		42 inches	
18 inches		48 inches	
24 inches		60 inches	
30 inches		72 inches	
36 inches			

**STAPLES**  
3/4 inch, for fastening netting, 10c. per lb.; 10 lbs. for 90c.

**CUT WIRE NETTING**

2-in. mesh, under 100 sq. ft., 3c. per sq. ft.; 2-in. mesh, 100 sq. ft. and over, 2 1/2 c. per sq. ft.; 1-in. mesh under 100 sq. ft., 5c. per sq. ft.; 1-in. mesh, 100 sq. ft. and over, 4c. per sq. ft.



**SUN DIAL**

This ancient time teller is a part of every exclusive flower or vegetable garden, and indeed a very interesting one. It is made of cast iron with screw holes, so it may be fastened down to a pedestal or other foundation. The figures are raised, so that they may be easily renovated with paint or otherwise, when weather-beaten. Dial face is 8 ins. in diameter, bottom 10 ins. in diameter, finished in black, gilded figures. Without pedestal. \$3.00. P. P. Wt., 6 lbs.



**LAWN GUARDS**

For path corners, flower beds, etc. Iron (see cut), nicely painted green, \$1.00 each; per doz., \$11.00. Not mailable.

Wire, made extra heavy and well galvanized. Price, 30c. each; per doz., \$3.00. Not mailable.

**LAWN SIGNS**

Excellent for putting on grass plots where thoroughfare is not desired.

Iron (shown opposite), painted gray, trimmed red. 75c. each; per doz., \$8.00. Parcel post weight, 4 lbs.



**Enamelled Iron Style.** (See cut above). This pattern is the best for conspicuous places. The name plate is finished with green and white enamel, is 20 inches long and about 4 inches wide. Equipped with a substantial iron stake. \$1.50 each; per doz., \$17.00. Parcel Post Weight, 3 lbs.



Perfection Hanger

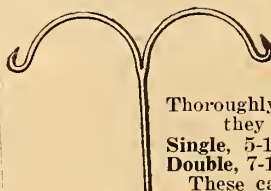
**POT HANGERS**

	Each	Doz.
Krick's No. 1. 3 to 5-in. pots	.1 lb.	\$0.04 \$0.40
Krick's No. 2. 6 and 7-in. pots	.1 lb.	.05 .45
Krick's No. 3. 8 to 10-in. pots	.1 lb.	.06 .55

**Perfection.** Suitable for any size pot up to 8 inches. Made of galvanized wire, 15 inches long. 12c. each; \$1.25 per doz.; per 100, \$8.50. Parcel Post Weight, each, 8 ozs.

**BASKET OR CEMETERY HOOKS**

Thoroughly galvanized so they cannot rust. Single, 5-16 inch thick, 75c. Double, 7-16 inch thick, \$1.25. These cannot be mailed.



**VASES**

For holding cut flowers on cemetery lots and graves.



**PAINTED GREEN**

No.	Wt.	Each	Doz.
3. Small	2 lb.	\$0.35	\$3.50
2. Med.	2 lb.	.40	4.00
1. Large	4 lb.	.55	5.50

**GALVANIZED**

No.	Wt.	Each	Doz.
3. Small	2 lbs.	\$0.50	\$5.25
2. Medium	2 lbs.	.60	6.00
1. Large	4 lbs.	.70	7.00

**TIN ENAMELED**

Color rich green; will not burst in cold weather.

No.	Wt.	Each	Doz.
1. Large	1/2 lb.	\$0.30	\$3.00
2. Small	1/2 lb.	.25	2.50

**HANGING BASKETS**

Rustic. These are made in attractive patterns, oblong design, finished natural oak and very rustic indeed. Will last many years.



Tin Enamelled Vase

**Rustic Baskets**

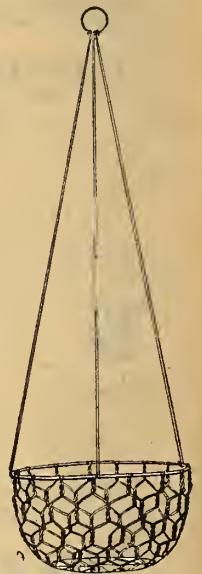
8-inch	... \$1.75 each
10-inch	... 2.00 each
12-inch	... 2.25 each

Not mailable.

**Galvanized Wire Baskets**

For greenhouse, porch and conservatory use.

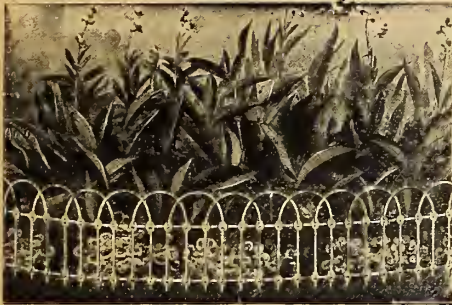
	Each	Doz.
8 in.	... \$0.20	\$2.00
10 in.	... .30	3.00
12 in.	... .40	3.75
14 in.	... .50	5.25
16 in.	... .65	6.50



**JONES' POT BRACKET**

No. 1.	Holds 5-inch pot.	Each, 35c.; \$4.00 per doz.
No. 2.	Holds 6-inch pot.	Each, 40c.; \$4.50 per doz.
No. 3.	Holds 7-inch pot.	Each, 45c.; \$5.00 per doz.

Parcel Post Wt., each, 2 1/2 lbs.

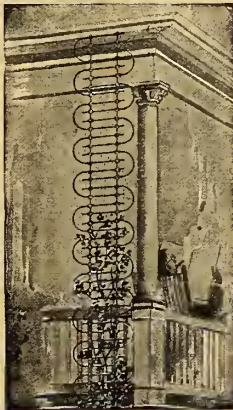


## FLOWER BED FENCING

For putting around beds, lawns, etc. Any length desired up to 150 running ft.  
 16 in. Less than 150 ft. roll, 16c. per ft.  
 16 in. In roll lots, 150 ft., 14c. ft.  
 22 in. Less than 150 ft. roll, 18c. per ft.  
 22 in. In roll lots, 150 ft., 16c. ft.

## CONTINUOUS WIRE TRELLIS

Excellent for training vines of all kinds up porch verandas, pergolas, etc. Thoroughly galvanized and well made.



Continuous Trellis

Any length desired up to 150 running feet.  
 13 in. wide, less than 150 ft. rolls, 16c. per ft.  
 13 in. wide, in roll lots, 150 ft., 14c. per ft.  
 19 in. wide, less than 150 ft. rolls, 18c. per ft.  
 19 in. wide, in roll lots, 150 ft., 16c. per ft.



## WIRE TRELLIS

12 inch high.....	\$0.25
18 inch high.....	.35
24 inch high.....	.50
30 inch high.....	.75
36 inch high.....	.85
42 inch.....	\$1.75
48 inch.....	2.00
60 inch.....	2.50
72 inch.....	3.50

## VINE OR WALL NAILS

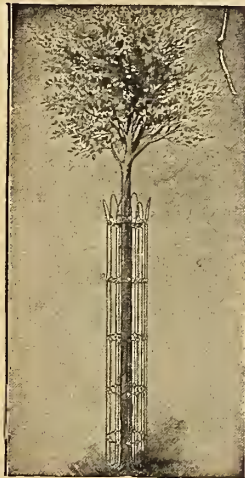
For fastening climbing vines, equipped with a soft metal clasp which holds the vine against the wall.  
 1-in., doz., 25c.; per 100, \$1.50.  
 1½-in., doz., 30c.; per 100, \$1.75.  
 2-in., doz., 35c.; per 100, \$2.00.

## FAN TRELLIS

Made of wood, painted green.	
18 inch.....	\$0.25
24 inch.....	.30
30 inch.....	.45
36 inch.....	\$0.85
42 inch.....	.95
48 inch.....	1.15

## WIRE TRELLIS (Made to Order)

We are able to have made, at short notice, special sizes of wire trellis, any length and any width, at 40c. per sq. ft.



## WIRE TREE GUARD

Carefully galvanized, 9 in. diam., \$1.50 each; 12 in. diam., \$2.00 each.

## OFFICIAL PHILADELPHIA TREE GUARD

Of round iron, 6 ft. high, 14 inches diameter, \$5.00 each.



## No. 4 IRON TREE GUARD

12 in. diam., 6 feet high. Price, \$3.50.

## GALVANIZED WIRE ARCHES

These can be furnished on short notice any height or any width. Made of heavy diamond mesh wire with strong frames.

40c. per sq. foot. Special heavy wire work arches can be supplied at lowest prices.



## VERANDA TRELLIS

Made of wood and painted green.

2 feet.....	\$0.65	6 feet, heavy..	\$1.65
3 feet.....	.75	8 feet, heavy..	2.20
4 feet.....	.95	10 feet, heavy..	2.95
5 feet, heavy...	1.40	12 feet, heavy..	3.65

Larger sizes to order.



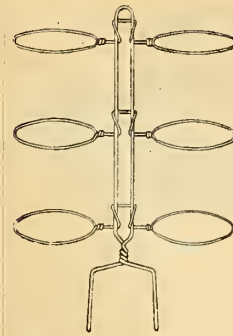
## IVY TRELLIS

Made of wood, painted green.  
 16 inch diam.. \$0.60  
 20 inch diam.. .75  
 24 inch diam.. .85



## OVAL TRELLIS

Made of wood, painted green.  
 24 inch..... \$0.40



Richmond 3-Ring Support (Double)



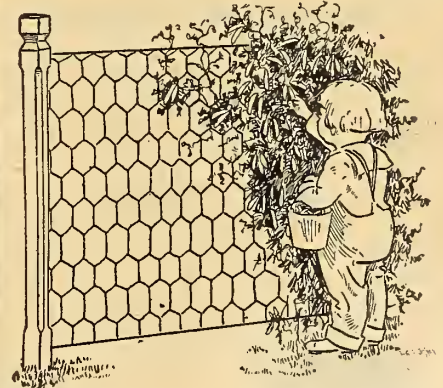
Model 2-Ring Support

## CARNATION SUPPORT

Richmond is the most popular support on the market. Can be put together in a minute, and is always satisfactory; 29 in. high.

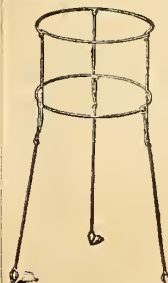
	Per doz.	100	1000
3-ring, double.....	\$1.00	\$6.50	\$60.00
3-ring single.....	.85	5.50	50.00

	Per doz.	100	1000
Model, 2-ring.....	\$0.75	\$5.00	\$45.00
Model, 3-ring.....	.85	5.50	50.00



## WIRE PEA TRELLIS

This does away with brush, twine, etc., and avoids the necessity of peas lying on the ground and wasting; made of best wire and painted wood. It is 48 inches high and in 10-foot sections, with 3 suitable 5½-foot stakes for fastening in the ground. Can be put away and used year after year. \$1.25 per section; 10 sections for \$10.00.



## TOMATO OR PAEONY SUPPORT

These pay for themselves the first season. They insure more flowers and better fruit.

Model (Wire).	Each,
30c.; doz., \$3.00;	\$22.50
per 100.	



## GATHERING BASKET

Very convenient for carrying berry boxes, asparagus and other vegetables. Made of oak; 12 in. wide, 23 in. long, 4 in. deep. Price, 85c.



## GARDEN BASKETS

<b>No. 2, Stiff Handle</b>		Each
1/2 Bu.....	\$0.65	
<b>No. 3, Drop Handle</b>		Each
1/2 Bu.....	\$0.65	
<b>No. 4, Without Handle</b>		Each
1/2 Bu.....	\$0.70	
1 Bu.....	\$0.85	

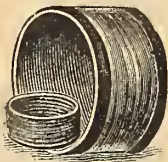
## SPLIT OR CHIP BASKETS

		With Handle	No. Handle
1/4 bu.....	Per doz.	\$0.95	\$0.85
1/2 bu.....	Per doz.	1.10	1.00
3/4 bu.....	Per doz.	1.90	1.75
1 bu.....	Per doz.	3.00	2.75

## BERRY BOXES

	P. P. Wt.	100	1000
	Doz.		
1 quart .....	2 lbs.	\$1.00	\$6.50
1 pint .....	1 lb.	1.10	8.00

## WOOD MEASURES



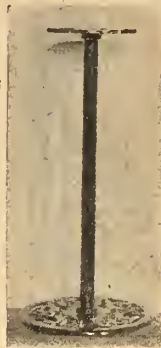
1/4 Peck .....	\$0.50
1/2 Peck .....	.60
1 Peck .....	.80
1/2 Bushel .....	1.00
1 Bushel .....	2.00

## RUBBISH BASKETS

On all large places, on the lawn, in flower and vegetable gardens, a basket for gathering up rubbish and litter will be found a great convenience, especially when it is suited for the purpose. This basket holds 3 bushels and can be carried or wheeled from place to place on a barrow. Price, with rope handles, \$3.00 each.



## IRON PLANT STANDS



### STAR STYLE

Somewhat similar to the "Superior," excepting that they are not fitted with the tilting device, and are finished in black varnish.

Height	Each
12 inches .....	\$1.25
18 inches .....	1.35
24 inches .....	1.50
30 inches .....	1.60
36 inches .....	1.70
42 inches .....	1.80

### SUPERIOR STYLE

Can be tilted to set your plants at any angle desired to produce the proper decorative effect. Enameled green.

Height	Size of Plates	Each
12 inch .....	5 x 7	\$1.25
18 inch .....	5 x 7	1.35
18 inch .....	8 x 10 1/2	1.50
24 inch .....	8 x 10 1/2	1.60
30 inch .....	8 x 10 1/2	1.70
36 inch .....	8 x 10 1/2	1.80
42 inch .....	8 x 10 1/2	2.00
48 inch .....	8 x 12	2.15
60 inch .....	8 x 12	2.30
72 inch .....	8 x 12	2.50

### EXTRA PLATES FOR PLANT STANDS

	For Superior	For Star
5 inch .....	\$0.30	\$0.30
7 inch .....	.45	.45
8 inch .....	.60	
10 1/2 inch .....	.75	.60
12 inch .....	.90	

## WIRE PLANT STANDS

Painted dark green and finished in bronze. Very substantial and will carry most any weight that can be placed on them. We recommend the Jones style, as it is collapsible and takes up very little space when not in use.



### PHILADELPHIA STYLE

Square only, 1 shelf.....	\$3.00
Square or round, 2 shelf.....	4.50
Square or round, 3 shelf.....	5.50

### JONES STYLE (See cut)

2 shelf.....	\$3.25
3 shelf.....	\$4.25

## SPRAYWELL RUBBER SPRINKLERS



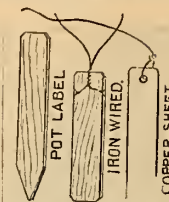
Either Straight Neck or Crook Neck

6-oz. capacity. Weight, 8 ozs.....	\$0.75
8-oz. capacity. Weight, 1 lb.....	1.00
10-oz. capacity. Weight, 1 lb.....	1.25

## TREE LABELS

Parcel Post Weight, 1/2 lb. per 100.

<b>Iron Wired.</b> 100	1000
Plain .....	\$0.25 \$1.30
<b>Iron Wired.</b>	
Painted ..	.25 1.55
<b>Copper</b>	
<b>Wired.</b> Plain	.25 1.50
Painted.....	.30 1.85



**Copper Wired.** Painted..... .30 1.85  
**Copper Sheet,** wired... .25c. doz.; 100, \$1.50  
**Zinc Sheet,** wired.... .25c. doz.; 100, \$1.25  
**Indelible Marking Pencils**.....each, 10c.

## PAINTED POT LABELS

	P. P. Wt.	100	500	1000
4 inch .....	1/2 lb.	\$0.18	\$0.70	\$1.25
4 1/2 inch .....	1/2 lb.	.20	.80	1.50
5 inch .....	1/2 lb.	.25	.90	1.65
6 inch .....	3/4 lb.	.30	1.00	1.90
8 inch .....	2 lbs.	.75	2.90	5.50
10 inch .....	2 1/2 lbs.	1.00	3.75	7.00
12 inch .....	3 lbs.	1.10	4.50	8.25
18 inch, for field use	3.50	....	32.50	

## GARDEN MARKERS

For labeling perennials, garden rows, beds or individual plants.

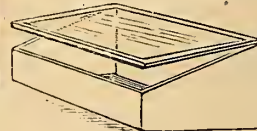
Made of heavy metal, enameled black. The card is covered with a celluloid face, which protects it from the weather. The angle of this label is so as to make it easily read. The holder has a large capacity for cards, so that several years' records may be kept together.



	Each	Doz.	100
<b>No. 5</b> —8 inches high.....	\$0.15	\$1.50	\$12.00
<b>No. 5A</b> —18 in. high....	.20	2.00	15.00
<b>No. 5B</b> —24 in. high....	.25	2.50	16.00

## MINIATURE HOTBEDS

These are very handy to use in connection with window gardening. Suitable for raising seedlings or for rooting cuttings. Seeds started in these will mean an early flower or vegetable garden. 12 x 20 in. \$2.00 each. Complete with glass. Not available.



## GRAPE-PROTECTING BAGS

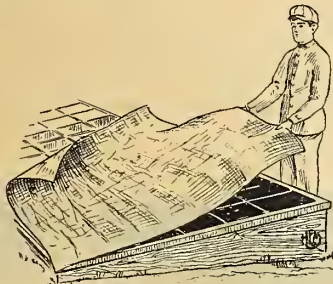
If put on during the period when grapes are forming, they will save many times their cost in the amount of fruit they will protect from insects, rot, etc. All ready with wire to fasten.

	P. P. Wt.	100	1000
	Per 100		
2 lb. size.....	1 1/2 lb.	\$0.50	\$4.50
3 lb. size.....	1 1/2 lb.	.60	5.00
4 lb. size.....	1 1/2 lb.	.65	5.50

## SHADING OR PROTECTING CLOTH

Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from sun and at the same time allowing ventilation.

	Yds. per Pe.	Per Yd.	Per Pe.
Light. Brown cloth.....	60	\$0.09	\$4.80
Medium. Brown cloth..	60	.17	9.60
Heavy. Brown cloth....	40	.27	10.00



### HOTBED MATS

Hotbed mats keep frosts and severe cold out of frames. They mean earlier and bigger crops.

The Burlap are the best mats that it is possible to procure. They are padded with shoddy and are practically indestructible.

**Burlap.** 76x76 inches, covering two regular size sash. Each, \$3.00; doz., \$33.00.

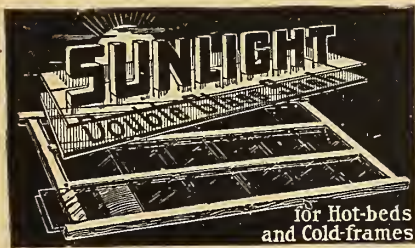
**Burlap.** 40x76 inches, for one sash. Each, \$2.00; doz., \$22.00.

**Plain Burlap Mats.** 76 inches wide, any length. Price on application.

	Each	Doz.
Straw Mats. 3x6 feet .....	\$1.40	\$15.00
Straw Mats. 6x6 feet .....	2.25	24.00

At the present time it is not possible to furnish the Duck and Burlap style mats as formerly made.

Special size Hotbed Mats to order.



### HOTBED SASH

**Glazed, painted, puttied glass.** \$5.00 each; \$55.00 doz.

**Philadelphia Style.** Made of best quality cypress. Size, 3 ft. 1 1/4 in. wide, 6 ft. long, 1 3/4 in. thick.

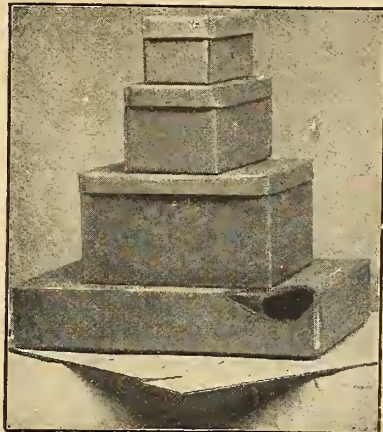
**Plain, not glazed or painted.** \$2.00 each; \$23.00 doz. (Painting only, 50c. each extra).

**Sunlight Glass Sash** (See illustration above). These are made with a double glass facing, one on the bottom, another on the top. It is claimed by the manufacturer where these are used, hotbed mats are unnecessary. 3 ft. wide, 6 ft. long.

**Plain, Unglazed and Unpainted.....** \$2.75

**Glazed and Painted, each.....** 6.00

**Packing charges on all glazed sash, 25c. each.**



### CUT FLOWER BOXES Corrugated

Size	Each	Per Doz.
48 x 14 x 8 inch .....	\$0.60	\$6.00
42 x 14 x 8 inch .....	.50	5.00
36 x 14 x 6 inch.....	.40	4.00
30 x 8 x 5 inch .....	.30	3.00
24 x 8 x 5 inch .....	.25	2.50

### LIGHT WEIGHT PAPER BOXES

Size	Per Doz.	Per 100
16 x 4 x 3 inches .....	\$0.60	\$4.00
20 x 4 x 3 inches .....	.75	5.00
18 x 5 x 3 inches .....	.75	5.00
18 x 7 1/2 x 3 1/2 inches .....	.85	6.50
21 x 5 x 3 1/2 inches .....	.75	5.00
24 x 5 x 3 1/2 inches .....	.85	6.00
21 x 8 x 4 inches .....	1.00	7.00
24 x 8 x 4 inches .....	1.25	8.00

We can also supply other sizes of boxes, including Violet Boxes and Green Felt style. Customers desiring boxes printed can have this done by us at nominal cost.

### PAPER FOR WRAPPING BOXES AND FLOWERS

	Lb.	5 lbs.	Ream
Manilla. For wrapping ..	\$0.15	\$0.70	\$3.50
Manilla. Tissue .....	.25	1.10	2.00
Wax. White, 24x36 in..	.40	1.90	3.50
Wax. Green, 24x36 in..	.45	2.00	3.75



### ROOFING PAPER, ETC.

	Sq. ft. per roll	Per roll
Celery Paper .....	500	\$1.75
Neponsset Red Rope.....	500	6.25
Neponsset Red Rope.....	250	3.50
Neponsset Red Rope.....	100	1.50
Tar or Pitch, 2-ply.....	100	1.50
Tar or Pitch, 3-ply.....	100	1.75
Neponsset Red Rope Paper, except in 100-ft. rolls, is equipped with caps and nails for applying.		
Caps for tar paper. 1 lb., 10c.; 5 lbs., 40c.		
Nails for tar paper. 1 lb., 10c.; 5 lbs., 40c.		

### ERADO WEED GUN

As handy as a cane, which it resembles. Fill the reservoir, which holds about 2 quarts of liquid, with Herbicide or some other weed destroying preparation, diluted and used for destroying weeds of all kinds in lawns without hurting the grass. Press the sharp point of the gun into the heart of the weed until the flat stay pieces touch the ground, when a quantity sufficient to kill is discharged into the heart of the plant which is destroyed for all time. Price, \$1.50. All brass. Parcel Post Weight, 2 lbs.



### WIKEHAM WEED GUN

A tubular staff 36 inches long, can be filled with "Climax Weed Killer." You push the point of the Eradicator when same is loaded into the crown and root of the dandelion and the root is forever destroyed without the least injury to the surrounding grasses.

Wikeham Weed Eradicator (complete), \$4.00.  
Climax Weed Killer, Tin, No. 1 (enough to make 28 gallons of liquid), \$1.50. Weight, 3 lbs.

### SUNDRIES

**Bull Fibre.** Qt., 15c.; 30c. 1/2 peck; peck 50c.; 85c. 1/2 bu.; bu., \$1.50. Erado Gun

**Bull Dog Clips.** For fastening packages, etc., 85c. per box.

**Carnation Bands** (Rubber). For mending bursted calyx. 30c. per oz.; 1/4 lb., \$1.00.

**Carnation Staples** (Wire). 60c. per 1000.

**Charcoal, Lump.** For use in potting. Pk., 35c.; bu., \$1.00; barrel sack, \$1.75.

**Cocoon Fibre.** 10c. qt.; 4 qts., 30c.; 50c. peck; bushel, \$1.50; 5 bushels, \$5.00.

**Cork for Orchids.** 50c. per lb.; 10 lbs., \$4.00.

**Glass Cleaner,** \$1.75 gal.; 5 gals, \$8.00.

**Grafting Wax.** 1/4 lb., 15c.; 1/2 lb., 25c.; 35c. lb.; 5 lbs., \$1.25.

**Moss** (Green Lump). Pk., 35c.; bu., \$1.00; bbl. bag, \$2.50. Green Sheet, Bundle, 75c. Per bale of 5 bundles, \$3.00. Sphagnum (dry). Peck, 25c.; 50c. bu.; bbl. bales, \$1.00; 5 bbl. bales, \$3.00. Sphagnum (live). Pk., 25c.; bu., 85c.; bbl., \$2.25.

**Pebbles.** Qt., 10c.; 50c. pk.; bu., \$1.50; bbl. \$3.50.

**Peat or Leaf Mould.** Five barrels, \$7.50; pk., 30c.; bu., 85c.; \$2.00 bbl.

**Peat, Orchid.** Per barrel bag, \$2.50; pk., 35c.; bu., \$1.00.

**Pruning Compound.** Per qt., 60c.; \$1.25 per gal.

**Sand for propagating.** Per qt., 5c.; pk., 25c.; bu., 85c.; bbl., \$2.50.

**Shaderine.** For shading greenhouse glass. 5 lbs., \$1.25; 10-lb. cans, \$2.00.

**Soil for potting.** Qt., 5c.; 1/2 pk., 15c.; pk., 25c.; bu., 85c.; bbl., \$2.25.

**Tin Foil.** 30c. per lb.; \$1.25 per 5 lbs.

**Toothpicks.** Plain, box, 7c.; 35c. for 6.

**Toothpicks.** Wired, 40c. 1000; 10,000, \$3.50.

**Toothpicks.** 6-inch, wired, green; per 375, 30c.; \$2.00 per 3000.

**Tree Paint** (Target Brand). Qt., 60c.; \$1.25 per gal.; 5 gals., \$5.50.

**Violet and Green Foil.** 45c. lb.

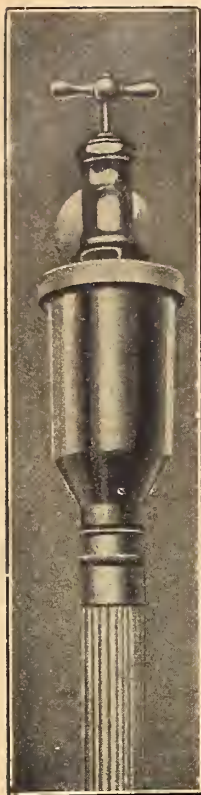
**Weed Killer.** Michell's. Qt., 50c.; 80c. per 1/2 gal.; gal., \$1.50; \$6.00 per 5 gals.; 10 gals., \$11.00; 25 gals., \$21.50; \$40.00 for 50 gals. Herbicide. 60c. qt.; gal., \$1.75; \$7.00 per 5 gals.; 10 gals., \$12.50; 25 gals., \$27.50; \$47.50 for 50 gals.

**Fairmount,** 85c. per 1/2 gal.; per gal., \$1.50.

**Climax.** \$1.50 per tin, makes 28 gals. liquid.

**Zementine.** For whitewashing and shading. 2 lbs., 25c.; 10 lbs., \$1.00.

# The Kirke System of Insecticide and Fertilizer Application



Showing how the Kirke Fertilizer and Insecticide Cartridge holder is attached to the spigot.

This system consists of a nickel-plated receptacle generally called the cartridge holder. This is equipped with a reservoir into which can be put a cartridge of insecticide and fungicide, or of fertilizer, as the occasion requires. The cartridge holder may be attached to the end of the hose, followed by the nozzle, or it may be attached directly to the spigot and followed by the hose. The cartridges are very hard in substance, highly concentrated, and only a small amount is required to show results. As the water passes through the cartridge holder into which a fertilizer or insecticide cartridge has been placed, the requisite amount of either material placed therein is carried through by the water pressure and applied to the plants or lawns. Practical gardeners claim this to be one of the best means of applying insecticides or fertilizers. It requires about 5 hours to dissolve one of the cartridges, so it will be seen that the method is economical.

The Fertilizer cartridges are rich in all the plant food elements, are absolutely odorless and clean to handle; for feeding a lawn they will be found especially effective. The fungicide cartridge can be applied when treating plants or trees that have been affected with mildew, black spot or blight. The insecticide cartridge, consisting of a concentrated form of nicotine, is excellent for destroying and controlling aphids, green fly, etc. The Arsenate of Lead cartridge is designed for destroying and controlling all leaf biting and sucking insects that attack outdoor plants.

Nickel Cartridge Holder, ready to attach to any 3/4-inch garden or greenhouse hose, \$3.00.

	Each	Per Doz.
Fertilizer Cartridges .....	\$0.35	\$3.60
Tobacco Insecticide Cartridges .....	.40	4.00
Arsenate of Lead Cartridges.....	.55	5.80
Bordeaux Mixture Cartridges.....	.35	3.60
Salt Cartridges. For spraying carnations against red spider attacks....	.15	1.50
Sulphur Compound Cartridge .....	.35	3.60

### MICHELL'S PRACTICAL GARDEN POINTERS

Contains everything pertaining to the planting and cultivation of the vegetable and Flower Garden. Full directions as to How and What to Plant. How to take care of your growing crops. How to eradicate Insect Pests. How to increase products and How to keep them after harvesting. Cultural directions are given for almost every Vegetable, Plant or Bulb listed in our catalog.

This pamphlet is sent absolutely free with an order for seeds or plants.

HENRY F. MICHELL COMPANY.



Showing the Kirke Cartridge holder for fertilizing or insecticide purposes in lawn work

## Two Splendid Garden and Greenhouse Preparations



Method of application for "Readeana"

### "READEANA" ROSE BUG EXTERMINATOR

Will protect your flowers and shrubbery from destructive insects. It is impossible to raise beautiful flowers or foliage if they are constantly being destroyed by the many insects that are ever alert to attack them.

An occasional spraying with "Readeana" will destroy insect life present and often entirely prevent their return. "Readeana" is harmless to the most delicate flowers or foliage. It may be diluted liberally with water, according to directions on each container, and applied with spraying apparatus of any kind.

4-ounce bottle .....	\$0.30	1-gallon can .....	\$4.00
8-ounce bottle .....	.50	5-gallon can .....	17.50
24-ounce can .....	1.00	10-gallon can .....	35.00
1/2-gallon can .....	2.25		

"Readeana" is not mailable.

### ELECTRIC WORM ERADICATOR

"Electric" Worm Eradicator is effective for the destruction of insect pests that work under the ground at the roots of plants. Used in a very small proportion, according to directions, with water and applied with a sprinkling can or otherwise, it brings all worms or insects that work underground to the surface, where they die.

While it is essential that the tops of plants be protected, it is equally important that the roots be kept clear of destructive pests.

**Caution.**—Don't use Electric Worm Eradicator on seed beds sown with seed that has not germinated or while plants are in a seedling stage.

4-ounce bottle .....	\$0.30	1-gallon hottle .....	\$4.00
8-ounce bottle .....	.50	5-gallon keg .....	17.50
24-ounce bottle .....	1.00	10-gallon keg .....	35.00

Electric Worm Eradicator is not mailable.



Method of applying Electric Worm Eradicator



# MICHELL'S PLANT STAKES, WIRE, ETC.

## GALVANIZED WIRE STAKES

### NO. 10 WIRE, LIGHT

	P. P. Wt.	Doz.	100	1000
2 feet	1½ lbs.	\$0.25	\$1.25	\$10.00
2½ feet	1½ lbs.	.30	1.40	11.00
3 feet	2 lbs.	.35	1.60	14.00
3½ feet	2¼ lbs.	.40	1.75	16.00
4 feet	2½ lbs.	.45	2.00	18.00
4½ feet	3 lbs.	.50	2.25	20.00
5 feet		.60	2.50	22.50
6 feet		.75	2.75	25.00

### NO. 8 WIRE, HEAVY

	P. P. Wt.	Doz.	100	1000
2 feet	2 lbs.	\$0.30	\$1.75	\$13.00
2½ feet	2½ lbs.	.35	2.00	16.00
3 feet	2¾ lbs.	.40	2.25	18.00
3½ feet	3 lbs.	.45	2.50	20.00
4 feet	3½ lbs.	.60	3.00	24.00
4½ feet	4 lbs.	.70	3.25	27.50
5 feet		.75	3.50	30.00
6 feet		.85	4.25	37.50

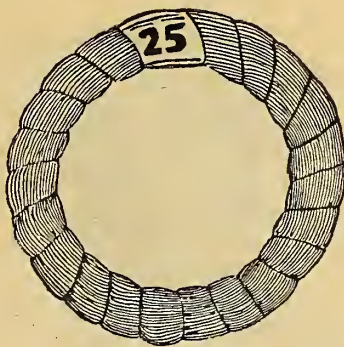


Everlasting Stake Fastener Blake Lock Clip

## STAKE FASTENERS

These take the place of string entirely, lasting several seasons, used for fastening cross wires to galvanized stakes.

	P. P. Wt.	500	1000
Blake's	2 ozs.	\$1.00	\$1.75
Everlasting	½ lb.	2.25	3.75
Eureka	¼ lb.	1.25	2.25



WIRE

Allow for postage if wanted by mail.

	Lb.	12-lb. Stone
No. 16. Galvanized	\$0.20	\$2.20
No. 18. Galvanized	.25	2.25
No. 19. Galvanized	.28	2.50
No. 20. Galvanized	.30	2.75
No. 22. Galvanized	.32	3.00
No. 16. Annealed	.20	2.00
No. 18. Annealed	.22	2.10
No. 20. Annealed	.25	2.50
No. 22. Annealed	.30	2.75

## TINNED WIRE

Used for bunching celery, etc.  
No. 19, in 10-lb. boxes, cut 8½ inches, 25c. per lb.; per box, \$2.00.

## CUT BOUQUET WIRE

For Stemming Flowers

Cut 9, 12 or 18 inches in length.

No. 20, 20c. per lb.; per box, 12 lbs., \$2.00  
No. 22, 20c. per lb.; per box, 12 lbs., 2.00  
No. 24, 22c. per lb.; per box, 12 lbs., 2.25



RAFFIA

For tying, basket making and fancy work, very long and fibrous.

Natural Color. Price, 35c. per lb.; 5 lbs. for \$1.50.

Colored. In all shades. Send for samples of color. 25c. per ¼ lb.; ½ lb., 45c.; 85c. per lb. Allow for postage if Raffia is wanted by Parcel Post.

## RAFFIATAPE

This article is made of a composition of paper and linen and is tremendously strong; it is about ¼ inch wide and is put up in 250 yard bolts or hanks. This is very desirable for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green. Parcel Post Weight, per bolt, ½ lb.

Per bolt of 250 yards, 75c.; 6 bolts, \$4.25.



TWINES, ETC.

	Ball	Lb.
No. 12, Light Italian	\$0.22	\$0.40
No. 18, Medium Italian	.22	.40
No. 24, Heavy Italian	.22	.40
No. 36, Heavy Italian	.22	.35
Jute, 2 ply, 3 ply and 5 ply	.15	.30
Linen Bouquet	.15	.75
Boston Linen, 2 and 3 ply	.40	.75
Green Sea Island	.10	.75
Special Thin White Cotton	.15	.60
Tarred, for Mat Making	.30	
Tarred Sisal for Fodder		.30
Binder (5-lb. ball)	1.25	
Express, very heavy	.30	

Green Silkaline. For stringing Smilax and Asparagus, etc. F, fine; FF, medium; FFF, coarse.

Price, per spool, 30c.

Price, per lb. (8 spools) \$2.25

Green Linen (substitute for Silkaline), very similar to the above, fast color.

Price, 35c. per spool; \$1.20 per lb.

## GREEN TAPERING STAKES

Painted Green

	Weight per Doz.	Each	Doz.	100
1½ feet	½ lb.	\$0.02	\$0.20	\$1.20
2 feet	½ lb.	.04	.35	2.10
2½ feet	1 lb.	.05	.45	3.00
3 feet	1¼ lbs.	.06	.65	4.00
3½ feet	1½ lbs.	.07	.75	5.00
4 feet	2 lbs.	.09	.90	6.00
5 feet		.10	1.00	7.00

## ROSE OR DAHLIA STAKES

Round tapering style; painted green.

	Weight per Doz.	Each	Doz.	100
3 feet	2½ lbs.	\$0.09	\$0.85	\$6.00
3½ feet	4 lbs.	.10	1.00	7.00
4 feet	5 lbs.	.11	1.15	8.00
5 feet		.15	1.50	10.00
6 feet		.17	1.75	12.00

## SQUARE PLANT STAKES

These are painted green and nicely tapered and finished.

	Weight per Doz.	Each	Doz.	100
1½ feet	½ lb.	\$0.03	\$0.20	\$1.50
2 feet	½ lb.	.04	.30	2.25
2½ feet	1 lb.	.05	.46	3.50
3 feet	2 lbs.	.07	.72	5.50
3½ feet	2½ lbs.	.08	.85	6.50
4 feet	4 lbs.	.10	1.00	7.50
5 feet		.12	1.35	10.00
6 feet		.15	1.58	12.00

## WOOD DOWEL STAKES

Length	Diam.	Wt. per Doz.	Doz.	100	1000
24 in.	⅜ in.	1 lb.	\$0.15	\$0.85	\$7.50
36 in.	¼ in.	¾ lb.	.20	1.00	8.50
36 in.	⅜ in.	¾ lb.	.20	1.00	8.50
36 in.	½ in.	1 lb.	.20	1.00	8.50
36 in.	¾ in.	1¼ lbs.	.20	1.00	8.50
36 in.	¾ in.	3 lbs.	.25	1.50	12.50
42 in.	¾ in.	½ lb.	.25	1.10	9.00
42 in.	¾ in.	1 lb.	.25	1.10	9.00
42 in.	¾ in.	1½ lbs.	.25	1.10	9.00
42 in.	¾ in.	1½ lbs.	.25	1.10	9.00
42 in.	¾ in.	4 lbs.	.30	1.75	15.00

The above are plain stakes, if wanted dyed green add 5c. per doz.; 25c. per 100; per 1000, \$2.00 to the above prices.

## CANE STAKES (Natural)

	Doz.	100	250	1000
Southern, 8 to 9 ft.	\$0.30	\$1.50	\$3.50	\$12.00
Japanese, 5 to 6 ft.	.30	1.50	3.50	12.00

## JAPANESE GREEN CANE STAKES

These are very attractive for all purposes of plant staking, thin and very strong.

	Doz.	100	500	1000
1½ feet	\$0.15	\$0.75	\$2.75	\$5.00
2 feet	.20	.85	3.50	6.00
2½ feet	.25	1.00	3.75	7.00
3 feet	.30	1.10	4.25	8.00
4 feet	.35	1.25	5.25	10.00

## BAMBOO POLES

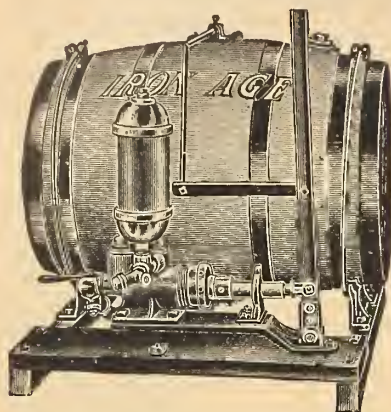
16 ft., very strong; used extensively for brushing worm casts off Putting Greens, also for staking young trees. Each, 25c.; doz., \$2.50; \$15.00 per 100.

## HYACINTH STAKES

Used for staking hyacinths, tulips and slender plants; dyed green.

	P. P. Wt.	Doz.	100	1000
5 inch	1½ lbs.	\$0.05	\$0.15	\$0.75
12 inch	2 lbs.	.05	.25	1.50
18 inch	2 lbs.	.08	.40	2.00

# MICHELL'S SPRAYING APPARATUS



## IRON AGE SPRAYER No. 1901

This is an ideal equipment to mount on a flat wagon, cart or sled. It is complete in every detail. Equipped with a 50-gal. barrel, large air chamber with a pressure capacity of 125 lbs., automatic agitator, brass bronze ball valves, woven hemp packing, which is easily replaced. No leather or rubber to give trouble. No working parts of the pump being outside, can be gotten at easily.

Price, no hose or nozzle, \$30.00; with 15 ft. 1/2-in. hose, 1 nozzle and strainers, \$35.00; equipped with 2 15-ft. lengths of 1/2-in. hose, 2 nozzles and strainers, \$40.00.

## EXTENSION PIPES, Etc.

For reaching into trees, 3/8-inch threads.

- Bamboo, with brass tube, 8 ft. .... \$3.25
- Bamboo, with brass tube, 10 ft. .... 4.00
- Galv. Iron, 2 ft., P. P. weight, 6 ozs. .35
- Brass, 2 ft., P. P. weight, 8 ozs. .... .60
- Pet Cock, for extension pipes. .... .75

**Iron Age.** Fig. 419—Steel pipe 10 ft. long, with an angle connection, stop-cock, 2 hand grips and drip-guard, for 1/2-in. thread. Price, \$4.00.

**Iron Age.** Fig. 420—Bamboo casing with brass pipe inside, with angle connection, stop-cock and drip-guard, 10 ft. long for 1/2-in. thread. Price, \$5.00.

**Paragon Extensions,** 2 1/2 ft., 50c. each. Parcel post weight, 12 ozs.



## LEWIS' SHEET BRASS SYRINGE

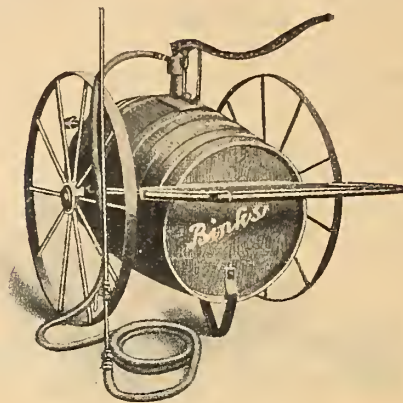
Capacity about 1 quart, \$2.00.  
Parcel post weight, 2 1/2 lbs.

## HEAVY BRASS SYRINGES

No.	Diam.	Length	Parcel Post	Wt.	Price
99	1 1/2 in.	18 in.	1 spray.	1 3/4 lbs.	\$2.75
101	1 1/4 in.	14 in.	2 sprays.	2 lbs.	2.50
101 A	1 1/2 in.	16 in.	2 sprays.	2 1/4 lbs.	3.75
104	1 3/4 in.	18 in.	2 sprays.	4 1/2 lbs.	6.50
107	1 3/4 in.	20 in.	(Adjustable)	5 lbs.	6.00

## FERGUSON GREENHOUSE SPRAYS

Made of solid brass, with 1 fine and 1 coarse spray rose, \$3.00.



## BINKS SPRAYER No. 15

Wherever it is impossible to get about with a team and wagon the above outfit is recommended very highly. The large wheels render it very portable and easily moved over rough and soft ground. Outfit consists of a 30-gallon barrel with 32-in. wheels. The pump is securely attached to barrel by a clamping device.

Complete, as illustrated, with 10 feet 1/2-in. hose; 1/2-in. cock spray pipe and spray nozzle. Price, \$25.00.

## IRON AGE SPRAYER No. 194

For the small orchard, farm or garden, can be attached instantly to any barrel. The pump and all working parts except agitator and suction pipe are on the outside. The latter is equipped with a bronze ball valve, which adds to its power and efficiency; packing, woven hemp, easily replaced. A pressure of 125 pounds can be maintained.

Price, without barrel hose or nozzle, \$16.00. Price, with 15 ft. 1/2-in. hose, nozzle and strainers, no barrel, \$21.00. Price, with barrel, 15 ft. 1/2-in. hose and nozzle, \$26.00.

## No. 194. T. I. A. SPRAYER

The equipment above with a 2 1/2-in. iron tire wheel-truck, 50 gal. barrel, without hose or nozzle, \$36.00, or \$41.00 with 15 ft. hose and nozzle.

## IRON AGE SPRAYER No. 195

The pump is securely fastened to a cedar bucket of 16 qts. capacity, nicely painted. The equipment can be picked up and easily moved from place to place. Equipped with a 2-ft. extension rod, a Vermorel nozzle with an extra solid stream cap, 4 ft. 1/2-in. hose. Price, \$12.00.

## SPRAY NOZZLES (3/8 in. thread)

- Bordeaux and Vermorel, 8 ozs. .... \$0.85
  - Mistry, Jr., 5 ozs. .... .90
  - Winkle Mist, 4 ozs. .... .75
  - Paragon style, 4 ozs. .... .35
  - Duplex Vermorel (2 nozzles), 14 ozs. . 1.75
  - Triple Vermorel (3 nozzles), 16 ozs. . 2.50
  - Quadruple Vermorel (4 nozzles), 2 lbs. 3.00
  - Duplex Mistry (2 nozzles), 2 lbs. .... 3.00
- For 3/4-in. connections add 25c. to the above nozzle prices.

## SIMPLEX PUMP No. 550



Simplex Pump

One of Deming's very best sprayers. Fitted with brass cylinders. Equipped with an automatic agitator. Will throw a stream 40 feet. **Plain Pump,** no hose nozzle or barrel, \$11.00.

**Outfit A—Pump,** with 12 1/2 ft. 1/2-in. hose fitted with a Bordeaux or Vermorel nozzle and pole connection for reaching into trees, No barrel, \$14.50.

**Outfit B—Pump,** with two 12 1/2-foot

sections of 1/2-in. hose, two Bordeaux or Vermorel nozzles, pole connection. No barrel. Price, \$18.00.

## CENTURY PUMP No. 645

A very powerful pump; working parts are entirely of brass; has large air chamber.

Price for pump, no barrel or hose, \$14.00.

Price, complete, with 12 1/2 ft. 1/2-in. hose and nozzle, no barrel, \$17.50. Price, with two 12 1/2-ft. leads, hose and nozzles, no barrel, \$20.00.

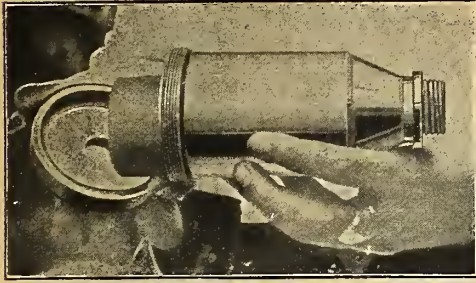
Barrels, with cut head, \$6.00.



## No. 4 PARAGON SPRAYER

Designed for spraying whitewash and water paints in poultry houses and buildings, also for spraying trees and shrubbery. Equipped with 10 feet of extension pipe, 20 feet 6-ply hose and 2 spraying nozzles. Price, complete as in cut, \$27.50, or with 28-gal. barrel, but no truck, \$21.00.

# MICHELL'S SPRAYING APPARATUS 189



## THE KIRKE FEEDER

Made to accommodate cartridges of various kinds, containing fertilizer and insecticide ingredients, each separate. See page 186 for full directions.

	Each	Doz.
Nickel Cartridge Holder	\$3.00	
Salt Cartridges	.15	1.50
Arsenate of Lead Cartridges	.55	5.80
Tobacco Cartridges	.40	4.00
Fertilizer Cartridges	.35	3.60
Bordeaux Cartridges	.35	3.60
Sulphur Compound Cartridges	.35	3.60

## NO. 22 BINKS COMPRESSED AIR SPRAYER

Galvanized steel tank, 5 gals. capacity. Brass pump with a patent clamping device, equipped with 3 feet of hose, spray nozzle, shut-off cock and shoulder strap. It is claimed that this is the only compressed air sprayer that will discharge the entire contents with one pumping. P. P. Wt., 15 lbs. Price \$7.50.



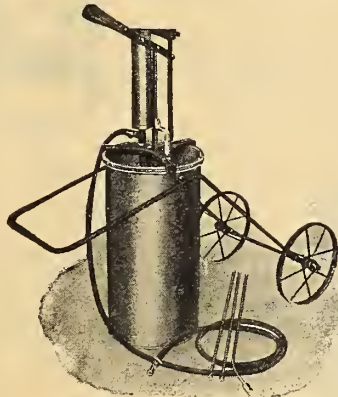
## DEMING KNAPSACK SPRAYERS

These are elegant for carrying around the garden, among shrubbery and tree work, etc. Fig. 675. Copper tank, holding about 5 gals., complete, with pump, nozzle and hose ..... \$22.50  
 Fig. 564. Galvanized tank, holding about 5 gal., complete, with pump, nozzle and hose ..... 12.50  
 Deming Knapsack Sprayers are not mailable.



## NO. 651 GARDENER'S CHOICE SPRAY OUTFIT

Here is an equipment that is easily worth \$5.00 more than we ask for it; truly it is the greatest value in spray pumps we have; the reservoir holds 25 gals.; the pump has brass cylinder, and it is a complete equipment with hose and nozzle. Price, \$25.00.



No. 3 Paragon Sprayer

## THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir, although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or paint.

- Bucket Washers for Paragon Sprayers, 20c.  
 No. 0. Equipped with a 3-gal. reservoir, 4 ft. of hose, nozzle and extension pipes. Price, \$10.00.  
 No. 1. With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes, \$12.50.  
 No. 3. Equipped with a 12-gal. tank mounted on a truck, three 2½-ft. extension pipes, 2 nozzles and 10 ft. of hose, \$18.00.  
 No. 4. Mounted on a two-wheel truck; equipped with 10 ft. of extension pipe, 20 ft. of hose and 2 nozzles. 25-gal. barrel, complete, \$27.50.  
 No. 4. Without truck, otherwise complete, \$21.00.



## COPPER STRAINER

For straining whitewash, spraying material, etc. The neck is of the correct size to fit into the reservoir of an auto-spray, which allows both hands to be free when using it. \$1.25 each  
 P. P. weight, ¾ lb.

## BUCKET SPRAY PUMPS

These are made entirely of brass except the foot rest and hand grip. The prices below do not include bucket, but include nozzle and 3½ feet of ¾ in. hose and nozzle.



- No. 256. Success (without bucket fastener). \$5.75. P. P. weight, 7 lbs.  
 Success Pump No. 689. Perfect Success (with bucket fastener). \$7.00. P. P. weight, 9 lbs.

## THE AUTO-SPRAY



Auto Spray in Operation

It operates with compressed air. Safe and efficient. Liquid capacity, 4 gallons; pressure capacity, 40 lbs. The Brown Auto-Spray is probably the first real successful compressed air sprayer ever put on the market. Previous to its introduction there were other makes, some of them still being offered for sale. We have had a wide and varied experience with the different ones, and after personal tests and noting the experiences of our customers, finally adopted as our standard compressed air sprayer

this make. No sprayer is sold under broader guarantee for efficiency and durability. The Auto-Spray must please and will accomplish all that any first-class sprayer will, or the purchase price will be refunded. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best, as corrosive solutions can be used in it without injuring the same. Auto-Sprayers are not mailable.  
 No. 1-A. Brass. Equipped with hose and regular nozzle, \$9.50.  
 No. 1-B. Brass. Equipped with hose and Auto-Pop Attachment, \$10.00.  
 No. 1-C. Galvanized Iron. Equipped with hose and regular nozzle, \$6.25.  
 No. 1-D. Galvanized Iron. Equipped with hose and Auto-Pop, \$6.75.  
 Auto-Pop Nozzle Attachment controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately, \$1.75 each. P. P. weight, 1 lb.

**PARIS GREEN SHAKERS**

Tin. For dusting vegetables, potatoes, small fruits and shrubbery, 50c. each. P. P. weight, 2 lbs.

Farmer's Favorite. (See cut). Large double-action affair, \$2.00 each. P. P. weight, 4 lbs.



"Acre an Hour" Sifter, 75c. P. P. weight, 2 lbs.



**SULPHUR BLOWER**

For distributing sulphur and insecticides of various kinds. Price, \$5.00.

**FUMIGATORS**

**Perfection Make**

Fitted with a water tank to prevent burning out.

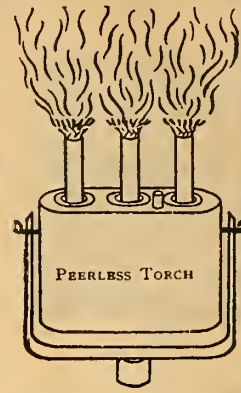
- No.  
 1 for house 12x 40 ft. \$4.25  
 2 for house 15x100 ft. 5.00  
 3 for house 20x100 ft. 5.50  
 5 for house 20x150 ft. 7.00

**Eureka Make**

- No.  
 1 for house 10x 20 ft. \$2.50  
 2 for house 12x 40 ft. 3.00  
 3 for house 15x100 ft. 3.50  
 4 for house 20x100 ft. 5.00



Eureka



PEERLESS TORCH



Asbestos Torch

**OIL TORCHES**

For burning out worms, caterpillars and nests that infest trees.



Reservoir Torch

	P. P. Wt.	Each
Peerless.	1 lb.....	\$1.00
Reservoir.	1/2 lb.....	.50
Asbestos.	1 lb.....	.65



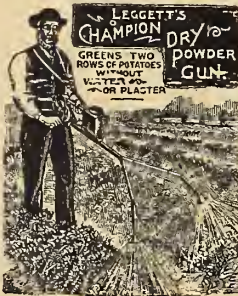
**DICKEY DUSTER**

Excellent for distributing Bug Death, Slug Shot, etc. Price, 35c. P. P. weight, 1 lb.

**CHAMPION GUN**

This machine will distribute dry insecticides, covering one or two rows at one time. Will save its price in material used in one season.

Price, \$10.00. P. P. Wt., 8 lbs.



**WOODASON HAND BELLOWS**

	P. P. Wt.	
Large double cone, each.....	5 lbs.	\$4.50
Large single cone, each.....	3 lbs.	2.75
Small single cone, each.....	2 lbs.	1.50
Liquid spraying, small.....	3 lbs.	2.25
Liquid spraying, large.....	4 lbs.	2.75
Sulphur Bellows, each.....		2.25

**WHIRLWIND POWDER GUNS**



Very useful for distributing dry powder. Price, 25c.

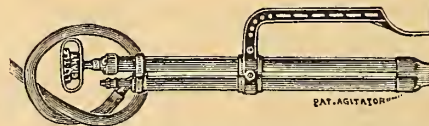
P. P. Weight, 8 ozs.

Our Garden Tool Department we believe to be the most fully equipped of any seed store in the United States. Most every tool of real merit for garden work will be found here, and of the best quality.



**VAPORIZING LAMP**

Practical and indestructible, all metal, burns kerosene, used for dispensing fumes of Nicotinic, Tobakine and other preparations of this sort. 60c. each. P. P. weight, 3/4 lb.

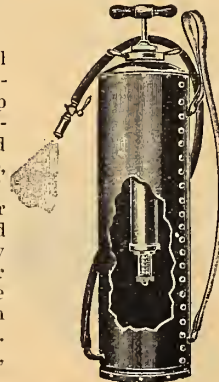


**No. 327 1/2 MYERS' BUCKET PUMP**

This is a double brass chamber arrangement, and fills the want of those desiring a medium priced sprayer. Price, \$5.00. P. P. weight, 9 lbs.

**No. 22 BINKS COMPRESSED AIR SPRAYER**

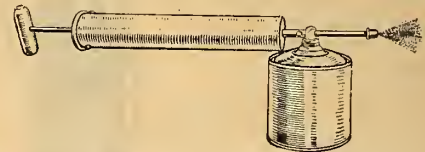
Galvanized steel tank, 5 gallons capacity. Brass pump with a patent clamping device, equipped with 3 feet of hose, spray nozzle, shut-off cock and shoulder strap. It is claimed that this is the only compressed air sprayer that will discharge the entire contents with one pumping. P. P. Wt., 15 lbs. Price, \$6.75.



**POLES FOR TORCHES, Etc.**

Hard wood, 12 feet, \$1.00; 14 feet, heavy, \$1.25; 16 feet, \$1.50. Poles are not mailable.

Bamboo Poles. 16 ft., very strong, used extensively for brushing worm casts off putting greens, etc. Each, 25c.; doz., \$2.50; 100, \$15.00.



**AUTOMATIC COMPRESSED AIR SPRAYER**

Parcel Post Weight, 2 lbs.

This is the grandest hand sprayer ever offered, very easily operated, especially desirable for ladies' use.

Tin.....each, \$1.00 | Brass....each, \$2.00



**CYCLONE HAND SPRAYERS**

Similar to the above except they do not have the automatic air reservoir attachment. P. P. weight, 1 1/2 lbs.

No. 112, Tin, large, 50c.; Tin, small, 30c.; No. 114, Brass, \$1.25.

**PARCEL POST SHIPMENTS**

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.

# MICHELL'S FLOWER POTS, TUBS, Etc.

Orchid Pan      Earthen Fern Pan      Fern Dish Liner      Seed Pan      Wood Fibre Flower Vase



Cedar Tub      Keystone Tub      Earthen Flower Pot      Azalea Pot      Earthen Bulb Pan      Earthenware Saucer      Wood Fibre Saucer      Rolling Stand

## CEDAR TUBS

Equipped with Strong Iron Handles  
These are made by hand, of the very best white cedar painted green, bound with black iron hoops.

No.	Outside Diam.	Length of stave outside	Each
No. 0	27 in.	24 in.	\$7.25
No. 1	25 "	22 "	6.50
No. 2	23 "	20 "	6.00
No. 3	21 "	18 "	5.50
No. 4	19½ "	16 "	4.50
No. 5	18 "	14 "	4.25
No. 6	16½ "	13 "	3.75
No. 7	15 "	12 "	3.00
No. 8	12 "	10 "	2.75

## MICHELL'S KEYSTONE PLANT TUBS

Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 15c. per pair. Not attached to tub.

No.	Inside Diam.	Depth.	Each
No. 1	6 in.	6 in.	\$0.60
No. 2	7 "	7 "	.65
No. 3	8 "	8 "	.75
No. 4	9 "	9 "	.80
No. 5	10 "	9 "	.90
No. 6	11 "	10 "	1.00
No. 7	12 "	11 "	1.25
No. 8	13 "	12 "	1.50
No. 9	14 "	13 "	1.75
No. 10	15 "	14 "	2.00
No. 11	16 "	15 "	2.25
No. 12	17 "	16 "	2.50
No. 13	18 "	17 "	3.00
No. 14	19 "	18 "	3.25

## KEYSTONE FERN TUBS

No.	Inside Diam.	Inside Depth.	Each
No. 15	8	5	\$0.65
No. 16	10	5½	.75
No. 17	12	6	1.00
No. 18	14	6½	1.35

## PAPER FLOWER POTS

In. Diam.	Parcel Post per doz.	Weight per 100	100	1000	
2¼	3 ozs.	2 lbs.	\$0.08	\$0.45	\$3.50
2½	3 ozs.	2 lbs.	.10	.50	4.00
3	5 ozs.	2 lbs.	.15	.75	5.25
3½	7 ozs.	3 lbs.	.20	1.10	7.40
4	8 ozs.	4 lbs.	.25	1.25	9.05
5	15 ozs.	7 lbs.	.35	1.80	14.90
6	2 lbs.	11 lbs.	.50	2.50	20.00

## AZALEA POTS

Diam.	Deep.	Each	Doz.	100
5 in.	4½ in.	\$0.05	\$0.48	\$3.60
6 "	5 "	.08	.71	5.40
7 "	6 "	.12	1.18	9.00
8 "	7 "	.17	1.71	13.00
9 "	7½ "	.26	2.64	20.00
10 "	8 "	.34	3.56	27.00

## FERN DISH LINERS

These cannot be sent by Parcel Post. Very shallow, for inside of fancy silver or porcelain ferneries.

Width.	Depth.	Each.	Doz.	100
7 in.	1⅞ in.	\$0.12	\$1.18	\$9.00

## SEED PANS (Earthenware)

	Each.	Doz.
6 inches square	\$0.60	\$7.00
8 "	.75	8.00
10 "	.90	9.75
12 "	1.25	12.00

## WOOD FIBRE FLOWER VASES

No.	Depth.	Weight.	Each	Doz.	
0	8 in.	4 lbs.	\$1.25	\$13.80	
1	5½ "	2½ lbs.	1.00	11.00	
2	4½ "	9 "	1½ lbs.	.90	9.60
3	4 "	6 "	1½ lbs.	.75	8.00
4	3 "	4½ "	¾ lb.	.60	6.30
00	9 "	21 "	6 lbs.	4.50	48.00
11	5 "	18 "	4 lbs.	1.35	15.00
22	4½ "	15 "	2 lbs.	1.10	11.40
33	4 "	12 "	2 lbs.	.90	9.60
44	3 "	9 "	1 lb.	.75	8.00

## EARTHEN FLOWER POTS

Height and Width inside.	Each.	Doz.	100	1000
1 inch	\$0.02	\$0.12	\$0.90	\$8.10
2 "	.01	.10	.75	6.75
2¼ "	.02	.12	.85	7.65
2½ "	.02	.13	1.00	9.00
3 "	.02	.17	1.30	11.70
3½ "	.03	.22	1.60	14.40
4 "	.03	.26	2.00	18.00
4½ "	.04	.35	2.70	24.30
5 "	.05	.48	3.60	32.40
5½ "	.06	.59	4.50	40.50
6 "	.08	.71	5.40	48.60
6½ "	.10	.95	7.00	64.80
7 "	.12	1.18	9.00	81.00
8 "	.17	1.71	13.00	117.00
9 "	.26	2.64	20.00	180.00
10 "	.34	3.56	27.00	243.00
11 "	.52	5.28	40.00	360.00
12 "	.78	7.26	55.00	495.00
14 "	1.19	11.88	90.00	810.00

## EARTHEN BULB PANS

	Each.	Doz.	100
6 inches diam.	\$0.08	\$0.71	\$5.40
7 "	.12	1.18	9.00
8 "	.17	1.71	13.00
9 "	.26	2.64	20.00
10 "	.34	3.56	27.00
12 "	.78	7.26	55.00
14 "	1.19	11.88	90.00

## WOODEN ORCHID BASKETS

(Square)	Each.	Doz.
4 inch	\$0.35	\$4.00
6 "	.45	5.00
8 "	.50	5.75
10 "	.60	6.50
12 "	.75	8.75

## ORCHID PANS (Round) (Earthen)

4 inches diam.	Each.	Doz.
4 inches diam.	\$0.12	\$1.25
5 "	.20	2.00
6 "	.25	2.50
8 "	.35	3.50
10 "	.50	5.00
12 "	.75	7.00

Orchid pans not available.

## EARTHEN FERN PANS

Width.	Height.	Each.	Doz.	100
4 in.	1⅞ in.	\$0.04	\$0.39	\$3.00
4¾ "	2⅞ "	.05	.52	4.00
5¼ "	2¼ "	.07	.66	5.00
6¼ "	2½ "	.09	.84	6.00
7 "	2⅝ "	.10	.92	7.00
8 "	3⅞ "	.13	1.32	10.00
9 "	3¼ "	.16	1.58	12.00

## EARTHENWARE SAUCERS

4 inches	Each.	Doz.	100
4 inches	\$0.02	\$0.19	\$1.50
5 "	.03	.26	2.00
6 "	.04	.39	3.00
7 "	.05	.52	4.00
8 "	.08	.72	5.50
9 "	.09	.99	7.50
10 "	.12	1.18	9.00
11 "	.14	1.45	11.00
12 "	.17	1.78	13.50
14 "	.28	2.97	22.50

## WOOD FIBRE SAUCERS

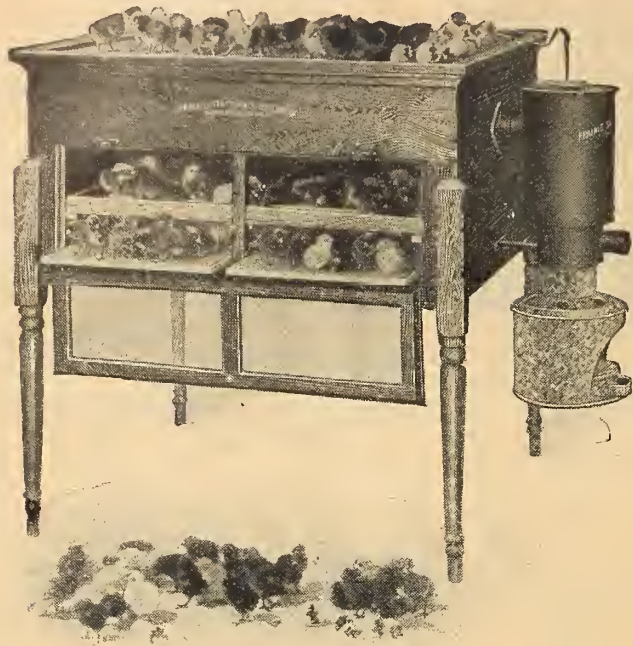
Extremely desirable on account of being absolutely waterproof.

Parcel Post Weight	Each.	Doz.	100	
5 inches	¼ lb.	\$0.25	\$2.77	\$21.85
6 "	¼ lb.	.25	2.83	22.43
7 "	¼ lb.	.27	3.06	24.25
8 "	¼ lb.	.29	3.24	25.85
9 "	¾ lb.	.33	3.60	28.50
10 "	¾ lb.	.35	3.84	30.40
12 "	1¼ lbs.	.42	4.56	36.10
14 "	1¼ lbs.	.52	5.76	45.60
16 "	2 lbs.	.95	10.44	80.30
18 "	2½ lbs.	1.10	12.25	96.40

Larger sizes can be furnished as complete rolling stands only. See price list below.

## ROLLING STANDS (Wood Fibre)

Parcel Post Weight	Pot.	Tub.	Each.	
12 in.	2 lbs.	10 in.	\$0.90	
14 in.	2½ lbs.	12 "	No. 8	1.15
16 in.	3 lbs.	14 "	" 8	1.55
18 in.	3½ lbs.	16 "	" 7-6	1.85
20 in.			" 5	2.20
22 in.			" 4	2.75



**PRAIRIE STATE INCUBATORS**

In the building, design and construction of the Prairie State Incubator every known factor to the present time has been taken into consideration. All Prairie State Incubators, except the Keystone styles, are equipped with nurseries.

In shipping, the heaters are crated separately, as their design and size make it more practical; also it does away with the possibility of the heater becoming injured in transit.

There are also many other improvements in the Prairie State Incubator that a study of the Prairie State Catalog and a close inspection of the machine itself, if possible, will best reveal.

Prairie State Heaters, built in four sizes, are of absolutely new design and all comply with the most rigid requirements of the National Board of Fire Underwriters.

Every heater is inspected by the regular authorized Underwriters' inspector, under the direction of the Fire Underwriters' Laboratories, and bears the inspection mark together with the Underwriters' Label, which facts, in combination with the construction of the incubator, make the entire machine insurable in any location without any extra insurance rate.

The Prairie State has the diffusive air circulation system and sand tray moisture feature and is as faultless as it is possible to make incubators.

Oil consumption per hour with outside temperature at 60° and incubator temperature at 103° per 24 hrs.

		Hen Egg Capacity	Duck Egg Capacity	Price
No. 0.	Diffusive style....	100	75	\$31.00
No. 1.	Diffusive style....	150	115	39.00
No. 2.	Diffusive style....	240	200	55.00
No. 3.	Diffusive style....	390	300	70.00
No. 0.	Keystone style....	60	40	17.50
No. 1.	Keystone style....	100	75	21.00

Complete Catalog on Prairie State Incubators and Brooders free on request.

**GEM HOT WATER INCUBATORS**

This is especially designed for the amateur or beginner. It is wonderful value for the price charged. Under ordinary conditions and with the most inexperienced person it gives universal satisfaction. Very carefully made. Equipped with galvanized water heater and a sensitive thermostat. We can supply this in one size only, 50 Egg Capacity, \$7.50.

**PRAIRIE STATE JUNIOR STOVE BROODER**

The construction of this is similar to the Senior Prairie State Coal Stove Brooder, except that there is no thermometer and the stove itself is not quite so large, but it will brood the same number of chicks. Price, \$25.00.

No. 0, Junior, \$18.00.



**PRAIRIE STATE PORTABLE HOVER**

It is impossible for chicks to crowd in a Prairie State Portable Hover. It is provided with an accurate and sensitive regulator, which automatically controls the temperature day in and day out as closely as an incubator. It requires no watching and newly hatched chicks can be entrusted to its care without the slightest thought for safety. This hover can be successfully used inside of a poultry house or attached to a Colony Brooder. It is made entirely of iron and metal, except the hover cloth. There is not a particle of wood on it, hence no danger from fire.

The lamp holds 3 pints of oil and in actual test has run 72 hours on this quantity.

The No. 1 hover is 25 inches in diameter, has an effective brooder space of 491 square inches and comfortably accommodates from 65 to 100 chicks. Weight, net, 30 lbs.; crated, 50 lbs. Price, \$18.00.

Junior Portable Hover, \$11.00.

\*Prairie State Lamp Box Hover, for outdoor use, \$9.00.

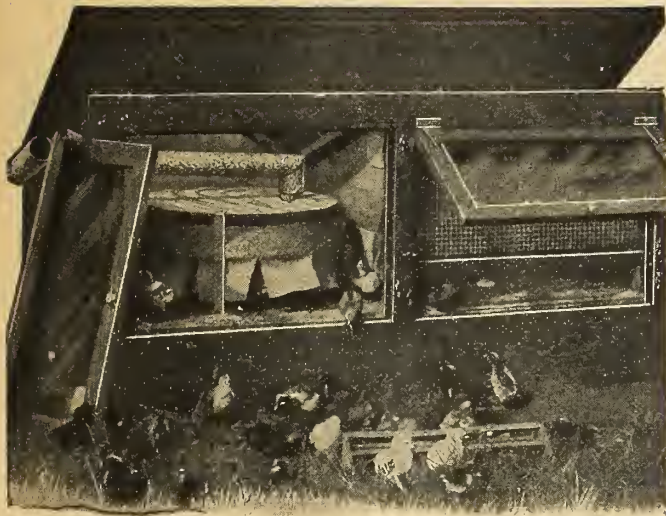
\*Prairie State Indoor Hover, \$8.00.

Regulators for those marked (\*), \$1.25 each.



**PRAIRIE STATE STOVE BROODER**

This has been developed to meet a growing demand for a brooding device readily adaptable to production on a mammoth scale. It is durable, substantial and low in cost of operation. The stove is solid cast iron, resting directly on its base without legs, there being no hot place under the stove possible for the chicks to reach. Designed for hard coal, but will burn soft coal also. The canopy is flat, with downward projection to which is fastened adjustable hover curtain. Is of galvanized sheet steel, hinged in centre, giving ready access to stove when coaling. Regulator is powerful, sensitive, triple control, of wafer type, regulating temperature to a fraction of a degree, with all working parts under canopy and so protected. Senior. This size handles flocks of 250 to 1000 or more safely and is adaptable to permanent or portable brood houses. Price, complete with equipment (weight, crated, 245 lbs.), \$40.00.



## PRAIRIE STATE COLONY HOUSES

The Colony Brooder, with its dry, roomy quarters, level floors, overhead heat, graduated temperature, thorough ventilation and sun parlor for exercise, offers a happy solution to chick rearing.

When the soil becomes worn out or if the location has become infected with disease or vermin, the removal of a portable colony brooder is an easy matter, and the birds can be given new quarters on fresh soil and amid new surroundings.

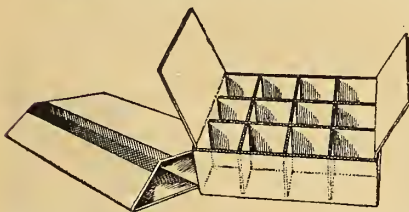
To transform the Combination Brooder into a Colony House in the No. 1 and No. 2 style, slip out the middle partition, remove the hover and lamp, and you have one of the neatest colony houses that could be built.

The No. 3 Colony House has but one compartment.

- No. 1—3 feet wide, 6 feet long, 3 feet high in front, 2 feet high in back (without heat regulator).....\$30.00
- No. 2—2½ feet wide, 5 feet long, 2½ feet high in front, 20 inches high in back (without heat regulator)..... 27.50
- No. 3—27 inches wide, 4 feet long, 28 inches high in front, 19 inches high in back (without heat regulator)..... 22.00

**REGULATORS FOR THE ABOVE, \$1.25 each.**

## MICHELL'S PARCEL POST EGG BOXES



This shipping package is so constructed that each egg is separated by a thickness of corrugated board, and the entire contents are surrounded by a double wall of air-cushioned board. Absolute protection is therefore assured, as the box possesses sufficient strength and durability to stand the

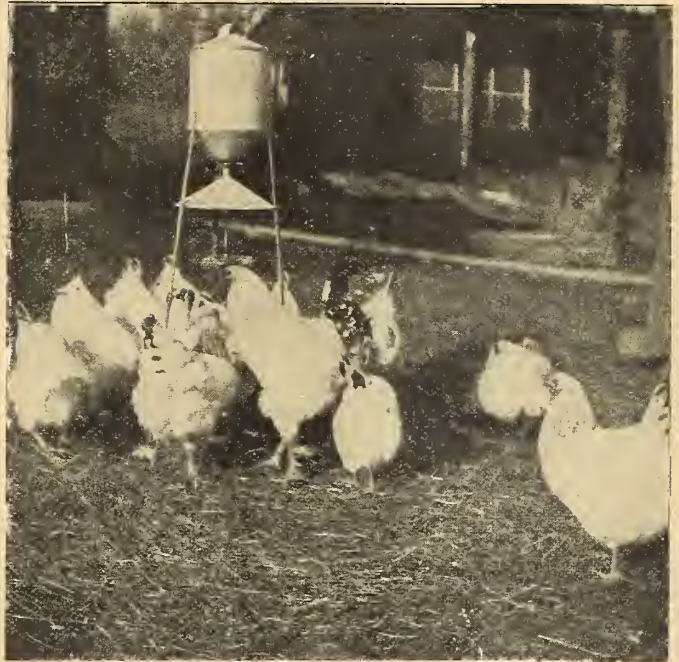
usual rough handling in transit. Their extreme light weight, when compared with other packages, will, in many cases, save the postage on an extra pound.

	Each	Doz.	100
1-dozen capacity .....	\$0.11	\$1.20	\$8.50
2-dozen capacity .....	.15	1.60	12.00
3-dozen capacity .....	.20	2.00	15.00
4-dozen capacity .....	.25	2.60	20.00
5-dozen capacity .....	.30	3.00	22.50

## SALT BRICKS

For dairy cows, horses and other animals. This is an essential to general good health in stables among horses and cattle; fastened on the wall it is accessible at all times and remains clean. Per brick, 30c., \$3.00 per dozen. P. P. Weight, each, 5 lbs.

Salt Brick Holders. 35c. each; \$3.50 doz. P. P. Weight, 3 lbs.



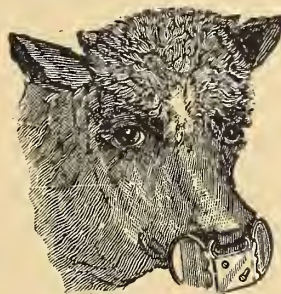
It is a happy Flock and a happy Poultryman where the Norwich Feeder is used.

## NORWICH AUTOMATIC POULTRY FEEDER

In operating the Norwich Automatic Exerciser and Feeder, it is but necessary to fill the hopper with such grain as may be desired, straight or mixed, filling the feed bar with either cracked corn or wheat, and adjust the valve at the bottom of the hopper to feed in such quantities as desired. Set the machine anywhere in the yard, pen or house, give the feed bar a turn or two and, surprising as it may seem, in ten to fifteen minutes every hen in the flock will take in the situation and work it.

Another valuable feature is the fact that the hopper, being rain-proof, the feed is always dry and fresh. The hopper is also dust-proof, so that if stood in the house not a particle of dust can get on the feed.

- No. 1—8-quart hopper .....Weight 15 lbs. \$3.00
- No. 2—14-quart hopper .....Weight 18 lbs. 3.90
- No. 3—20-quart hopper .....Weight 22 lbs. 4.90
- No. 4—32-quart hopper .....Weight 25 lbs. 6.00



## CALF WEANERS

Easily attached, cannot harm either the calf or the cow.

No. 1—For calf under 1 year, 50c. P. P. Weight, 4 ozs.

No. 2—For calf over 1 year, 60c. P. P. Weight, 6 ozs.

No. 3—For cows, 80c. P. P. Weight, 10 ozs.

## WATER PAILS

Heavy Galvanized Iron, 12-qt., 75c.

J. I. C. Extra heavy; white cedar, 16 qts., \$1.50.



## PERFECT MILKING PAIL

A stool and bucket combined, made of heavy tinned ware with a removable cover and strainer, the latter preventing anything from getting into the milk. Price, \$4.50.

## RICHMOND BUTTER CHURNS

First quality white cedar, carefully finished, easily cleaned.

- No. 1. 3 gals.....\$2.50
- No. 2. 4 gals..... 3.00
- No. 3. 7 gals..... 3.50

# Poultry and Animal Foods and Tonics

ALL PRICES SUBJECT TO MARKET CHANGES

**Alfalfa Meal.** 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.25.

**Animal Regulator** (Pratt's). 25c and 50c. pkg.; 12 lbs., \$1.75.

**Barley.** Price, 5 lbs., 30c. (Larger quantity, price on application.)

**Bone** (Coarse Ground). For feeding grown fowls. 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.35; \$2.50 per 50 lbs.; 100 lbs., \$4.50.

**Bone** (Meal and Fine Grade). For feeding chicks and pullets and using in the mash. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.35; 50 lbs., \$2.50; 100 lbs., \$4.50.

**Bran** (Wheat). For mash, etc. 5 lbs., 30c.; \$1.00 per 25 lbs.; 100 lbs., \$3.25.

**Broken Rice.** 1 lb., 10c.; 40c. for 5 lbs.; 10 lbs., 75c.; \$1.65 for 25 lbs. (Price in large quantities on application.)

**Buckwheat.** Price, 5 lbs., 30c. (Larger quantity, price on application.)

**Cake Meal.** 5 lbs., 25c.; \$1.00 per 25 lbs.; 100 lbs., \$3.50.

**Calf Meal** (Blatchford's). \$3.50 per 50 lbs.; 100 lbs., \$6.50.

**Canada Peas.** Price, 5 lbs., 55c. (Prices on large quantities on application.)

**Cat Food** (Spratt's). Per carton, 30c.

**Catnip Balls.** A plaything and tonic for pussy. 15c. each; doz., \$1.50.

**Charcoal.** Two grades, **fine** and **coarse**; state which you wish when ordering. Price, 1 lb., 10c.; 30c. for 5 lbs.; 10 lbs., 50c.; \$1.00 for 25 lbs.; per 100 lbs., \$3.00.

**Chicgrain** (Spratt's). Per carton, 45c.; 80c. per 10 lbs.; 25 lbs., \$1.65; 50 lbs., \$3.15; 100 lbs., \$6.00.

**Chick Food** (Cornless). 5 lbs., 45c.; 75c. for 10 lbs.; 25 lbs., \$1.50; \$5.75 per 100 lbs.

**Chick Food** (Michell's). 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.50; \$5.50 per 100 lbs.

**Chick Food** (Park and Pollard). 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.50; 100 lbs., \$5.75.

**Chick Food** (Pratt's). For newly hatched chicks. 1 lb., 10c.; 3 lbs., 25c.; 6½ lbs., 50c.; \$1.00 per 14 lbs.

**Chick Mana.** Price, 1 lb., 15c.; 35c. for 3 lbs.; 5 lbs., 50c.; 15 lbs., \$1.30; 60-lb. case, in bulk, \$4.75.

**Chick Meal** (Spratt's No. 5). 60c. per 5 lbs.; 10 lbs., \$1.00; \$2.25 per 25 lbs.; 50 lbs., \$4.40; \$8.50 100 lbs.

**Climax Condition Powder** (Rust's). Price, 25c., 50c., \$1.00 and \$1.50 per package.

**Condition Powder** (Sheridan's). A natural stimulant and persuader for the hen. 15c. package; 2¼-lb. can, 75c.

**Condition Tablets** (Pratt's). 30c. and 60c. per box.

**Conkey's Laying Tonic.** 25c. pkg.

**Conkey's Starting Food for Baby Chicks.** 1 lb., 10c.; 3 lbs., 25c.; 50c. for 6½ lbs.; 14 lbs., \$1.00; 100 lbs., \$5.50.

**Corn Meal** (Special Process). 5 lbs., 40c.; 75c. for 10 lbs.; \$1.35 for 25 lbs.; 50 lbs., \$2.60; 100 lbs., \$5.00.

**Cow Kure.** A tonic for cows and heifers. 50c. per can.

**Cracked Corn.** 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.35; 50 lbs., \$2.60; \$5.00 per 100 lbs.

**Crissell** (Spratt's). 5 lbs., 35c.; 65c. per 10 lbs.; 25 lbs., \$1.50; \$5.25 per 100 lbs.

**Cut Clover Hay.** 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; \$1.50 for 50 lbs.; 100 lbs., \$3.00.

**Developing Food** (Michell's). 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.50; \$2.80 per 50 lbs.; 100 lbs., \$5.50.

**Dog Cakes** (Spratt's). Small pkg., 40c.; large pkg., 75c.; 25-lb. box, \$3.00; 50-lb. box, \$5.50; 100-lb. box, \$10.25.

**Dog Cakes** (Maltoid Milkbone). 15c. and 35c. per carton; 10 lbs., \$1.50; \$3.50 for 25 lbs.; 50 lbs., \$5.75; \$10.50 per 100 lbs.

**Fish, Dried Ground.** 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.75; \$3.00 for 50 lbs.; 100 lbs., \$5.50.

**Egg Producer** (Rust's). 1 lb., 25c.; 50c. for 2½ lbs.; 6 lbs., \$1.00.

**Gluten Meal.** 5 lbs., 30c.; 55c. for 10 lbs.; \$1.10 for 25 lbs.; 50 lbs., \$2.00; 100 lbs., \$3.75.

**Grit** (Mica Crystal). Fine, medium and coarse. 5 lbs., 15c.; 45c. for 25 lbs.; 50 lbs., 75c.; 100 lbs., \$1.25; \$5.00 per 500 lbs.; ½ ton, \$8.50; \$16.00 per ton.

**Grit** (Red Cross Health). For pigeons. 5 lbs., 20c.; 35c. for 10 lbs.; 25 lbs., 50c.; 90c. for 50 lbs.; 100 lbs., \$1.50; ton, \$22.50.

**Ground Oats.** 5 lbs., 30c.; 55c. for 10 lbs.; \$1.10 for 25 lbs.; 50 lbs., \$2.00; 100 lbs., \$3.75.

**Growing Food** (Park and Pollard). 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.35; 100 lbs., \$4.50.

**Hemp Seed.** 12c. lb.; 5 lbs., 55c.; 90c. for 10 lbs.; 25 lbs., \$2.25.

**Hulled Oats.** 50c. per 5 lbs. (Prices on larger lots on application.)

**Kaffir Corn.** 5 lbs., 40c. (Price on larger quantities on application.)

**Linseed Meal.** 16c. per lb.; 75c. per 5 lbs.; 10 lbs., \$1.40; \$2.75 for 25 lbs. (Price for larger quantity on application.)

**Mash Food** (Michell's Meat). 5 lbs., 35c.; 10 lbs., 60c.; 25 lbs., \$1.25; \$1.35 per 50 lbs.; 100 lbs., \$4.50.

**Mash Food** (Park and Pollard). 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.35; 100 lbs., \$4.50.

**Mash Food** (Michell's Fish). 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.35; \$2.50 for 50 lbs.; 100 lbs., \$4.50.

**Meat** (Prepared). Price, 5 lbs., 35c.; 10 lbs., 65c.; 25 lbs., \$1.50; 50 lbs., \$2.75; 100 lbs., \$5.25; 500 lbs., \$25.00; ½ ton, \$47.50; \$87.50 per ton.

**Middlings.** 5 lbs., 30c.; 10 lbs., 55c.; 25 lbs., \$1.10; 100 lbs., \$3.50.

**Millet** (For Feeding). 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.50.

**Mustard** (Poultry). 1½ lbs., 50c.; 90c. for 3 lbs.; 5 lbs., \$1.40; \$2.70 for 10 lbs.

**Oat Meal** (Pin Head). 5 lbs., 50c.; 85c. for 10 lbs.; 25 lbs., \$1.75; \$6.50 per 100 lbs.

**Oyster Shells.** 5 lbs., 15c.; 40c. for 25 lbs.; 50 lbs., 65c.; \$1.00 per 100 lbs.; 500 lbs., \$4.50; \$12.50 per ton.

**Pheasant Meal** (Spratt's). No. 12 Fine; No. 5 Coarse. State which is wanted when ordering. 5 lbs., 60c.; \$1.00 per 10 lbs.; 25 lbs., \$2.25; 50 lbs., \$4.40; 100 lbs., \$8.50.

**Poultry Food** (Spratt's No. 3). 5 lbs., 60c.; \$1.00 for 10 lbs.; 25 lbs., \$2.25; \$4.40 per 50 lbs.; \$8.50 per 100 lbs.

**Poultry or Scratch Food** (Michell's). 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.35; \$2.60 per 50 lbs.; 100 lbs., \$5.00.

**Poultry or Scratch Food** (Park and Pollard). 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.50; 100 lbs., \$5.50.

**Pratt's Poultry Regulator.** Price, 8-oz. package, 10c.; 26-oz. packages, 25c.; 50c. per 4-lb. package; 12 lbs., \$1.25; \$2.50 for 25 lbs.; 50 lbs., \$5.00; \$9.00 per 100 lbs.

**Prepared Pigeon Food.** 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.50; 100 lbs., \$5.75.

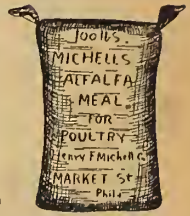
**Puppy Cakes** (Spratt's). Small pkg., 40c.; large pkg., 75c.; 25-lb. box, \$3.25; 50-lb. box, \$6.00; 100-lb. box, \$11.50.

**Puppy Cakes** (Maltoid Milkbone). 15c. and 35c. per carton; 10 lbs., \$1.60; \$3.65 per 25 lbs.; 50 lbs., \$6.00; \$11.00 per 100 lbs.

**Salt Cat.** A tonic for pigeons. Price, 10c. per brick; 60c. for 6; \$1.10 per doz.

**Sunflower Seed.** 12c. qt.; 4 qts. 40c.; 65c. peck; bushel, \$2.50.

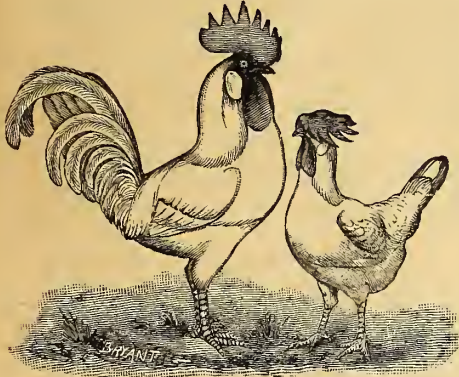
**Vetches or Tares.** For pigeon feeding. Ask for quotations. Prices vary.





# MICHELL'S HIGH GRADE POULTRY SUPPLIES, Etc. <sup>195</sup>

## LICE DESTROYERS, DISINFECTANTS, Etc.



A complete description of the following goods will be found in our Poultry Supplies Catalog—Mailed free.

- Carboletta.** A carbolic solution for painting roosts, spraying, etc. 40c. qt.; ½ gal., 65c.; \$1.00 per gal.
- Carbolineum** (Genuine Arvenarius). A poultry house disinfectant, louse and mite destroyer, excellent wood preservative; in gal. cans only. \$1.50 per gal.; 5 gals., \$7.00.
- Condition Tablets** (Pratt's). 30c. and 60c. pkg.
- Conkey's Canker Special.** An effective remedy. 60c.
- Conkey's Cholera Cure.** 30c. and 60c. pkg.
- Conkey's Chicken Pox Remedy.** 30c. and 60c. pkg.
- Conkey's Gape Cure.** For young chicks. 60c. pkg.
- Conkey's Lice Fix.** For destroying mites, lice, etc. 60c.
- Conkey's Lice Killer** (Liquid). For painting roosts, poultry houses, etc. Qt., 35c.; 60c. ½ gal.; 1 gal., \$1.00.
- Conkey's Lice Powder.** A sure destroyer. 10c., 25c., 50c. and \$1.00 pkg.
- Conkey's Noxi-cide.** A germ destroyer. 35c. pt.; 1 qt., 60c.; \$1.00 for 2 qts.; 1 gal., \$1.50.
- Conkey's Roup Cure.** The most widely used of the roup remedies; administered in the drinking water. 30c., 60c. and \$1.20 per box.

- Conkey's Scaly Leg Remedy.** A sure cure. 30c.
- Conkey's White Diarrhoea Cure.** For little chicks; results always satisfactory. 30c. and 60c. pkg.
- Death to Lice** (Lambert's). For dusting fowls and nests. 5-oz. size, 10c.; 25c. for 15 ozs.; 48 ozs., 50c.; \$1.00 per 100-oz. pkg.
- Dr. Hess' Instant Louse Powder.** Used with great success on poultry or domestic animals. Also useful in the garden and on vegetables. 1 lb., 25c.
- Death to Lice Ointment.** For head lice on small chicks. 10c. and 25c. box.
- Gape Worm Extractors.** Two styles: Hallowell. 10c. each; \$1.00 per doz. Pilling, 25c. each.
- Germathol** (Pratt's). A germicide and disinfectant. 30c., 60c.
- Germozone** (Lee's). One of the best germicides in existence, can be used on animals as well as poultry in liquid or tablet form. 50c.



### KNOX LICE-EXPELLING NEST EGGS

These are made of naphthaline, and are an ideal substitute for the natural egg, which they closely resemble. This egg is just as reliable as other poultry preparations made by Wm. Rust & Sons. 6c. each; per doz., 65c.; \$4.50 per 100.

- Oculum.** For cholera, roup and diarrhoea. 50c. and \$1.00 per bottle.
- Persian Insect Powder.** ¼ lb., 30c.; 55c. ½ lb.; lb., 90c.
- Pratt's Disinfectant.** For spraying poultry houses, stables, etc. 50c. qt.; ½ gal., 90c.; \$1.50 per gal.
- Pratt's Lice Killer** (Liquid). For spraying nests, roosts, houses, etc. 50c. qt.; ½ gal., 90c.; \$1.50 gal.

- Pratt's Louse Powder.** For dusting nests, fowls, chicks, etc. 25c. and 50c. per box.
- Pratt's Roup Remedy** (Pills). For roup, canker, etc. 30c., 60c. and \$1.20 per box.
- Pratt's Sore Head Remedy.** For chicken pox, etc. 30c. and 60c. box.
- Pratt's White Diarrhoea Remedy.** For baby chicks. 30c. and 60c.
- Rat Corn.** Kills and mummifies rats and mice. 25c., 50c. and \$1.00 size cans.
- Roup Syringe.** For administering liquid roup remedies in the nostrils or throat. Price, 15c. each.
- Rust's Havens Climax Powder.** For cholera, gapes, etc. 25c., 50c. and \$1.00 per box.
- Rust's Roup Cure.** Used in the drinking water. 4 ozs., 25c.; 9 ozs., 50c.; 20 ozs., \$1.00.
- Spratt's Dog Soap.** 20c. per cake; post-paid, 25c. per cake.
- Sulphur Candles.** Large size, 25c. each; per doz., \$2.50. Small size, 15c. each; per doz., \$1.50.
- Tobacco Dust.** For dusting on roosts, nests, etc., to keep away vermin. 10c. per lb.; 5 lbs. for 35c.; \$1.35 for 25 lbs.; 100 lbs., \$4.00.
- Tobacco Stems.** For making nests, etc. 10c. lb.; 5 lbs., 25c.; \$1.25 per bu.; per bbl. bag, \$1.25; in large bales of about 250 lbs., at 2c. lb.; per ½ ton, \$13.50; \$25.00 per ton.
- Whiting's Roupene.** An infallible preventive and sure cure for all cases of Roup, Canker, Diphtheria, Chicken Pox or Sore Head, Gapes, Colds and all diseases of respiratory organs of fowls or pigeons. Will cure dogs of the snuffles. Price, 50c. and \$1.00 per bottle.
- Whiting's White Diarrhoea Remedy.** 50c. and \$1.00 per bottle.
- Zenoleum Lice Powder.** For dusting hens and nests; fine for brooding hens. 25c. per 16-oz. pkg.
- Zenoleum Liquid.** Dilute one part Zenoleum to one hundred parts water. It is non-poisonous and is not irritating or inflammable. Should be used freely around barns and poultry houses. ½ pt., 30c.; 60c. qt.; ½ gal., \$1.00; \$1.75 per gal.; \$7.50 per 5-gal. can.

## RECLEANED BIRD SEEDS, Etc.

Prices on Bird Seed are subject to market changes

	Qt.	Lb.	5 Lb.	10 Lb.	25 Lb.
Ants' Eggs	.....	\$0.50			
Canary, Plain Sicily	.....	\$0.15	\$0.70	\$1.25	\$3.00
Canary, Mixed	.....	.15	.70	1.25	3.00
Hemp Seed	.....	.12	.55	.90	2.25
Millet Seed (Imported)	...	.10	.40	.75	1.50
Rape Seed	.....	.15	.70	1.25	3.00
Unhulled Rice	.....	.12	.50	.80	1.75
Parrot Food (Spratt's)					15c. pkg.
Bird Manna. Keeps Canary Birds in prime condition. Pkg. 15c.					
Cuttle Fish Bone. 5c. each; ¼ lb., 20c.; 70c. per lb.					

- Lettuce Seed.** 5c. per oz.; 10c. per ¼ lb.; lb., 30c.
- Maw Seed.** ¼ lb., 25c.; 85c. lb.; 5 lbs., \$4.00.
- Song Restorer** for Canaries, revives the desire to be lively and sing more lustily. Price, 10c. per bottle; per doz., \$1.00.
- Sand for Bird Cages.** Fine, Red or Silver, 6c. pkg.; doz. pkgs., 65c. Silver (coarse) 6c. pkg.; doz. pkgs., 65c.

### SUNFLOWER SEED

We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article, 12c. per qt.; 4 qts., 40c.; peck, 65c.; per bushel (25 lbs.), \$2.50.



Prices are subject to market changes

# MICHELL'S High-Grade FERTILIZERS

All Prices on  
Fertilizers Subject to  
Market Changes

**Acid Phosphate.** (See Phosphate.)

**Alphano Inoculant.** A soil bacteria to use in connection with growing legumes, thereby increasing the crop and enriching the soil. Trial size, 25c.; by mail, 35c.; 1-acre size, net wt. 2 lbs., \$1.00; 10-acre size, net wt. 20 lbs., \$8.00.

**Animal Base and Potash.** An ideal fertilizer for almost any farm or garden crop. Apply at the rate of 400 to 600 lbs. per acre. Price on application.



**Ashes (Canadian Hard Wood).** Apply 1000 lbs. per acre. For top dressing lawn and grass fields, it is applied to best advantage either in very early spring or late fall. 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 70c.; \$1.15 per 50 lbs.; 100 lbs., \$2.00; \$3.50 per 200-lb. barrel; 1000 lbs., \$15.00; \$28.00 per ton.

**Ashes (Domestic Hard Wood).** We have contracted to secure a quantity of these Wood Ashes from a nearby concern, and on account of the savings in transportation we are able to furnish this article at a much reduced rate. It is rich in Potash (a very scarce article just now). Excellent for top-dressing lawns or grass fields, or for mixing with potting soil. Not less than 100 lbs. sold. \$1.50 per 100 lbs.; \$2.25 per 200 lbs.; 1000 lbs., \$11.00; \$21.00 per ton.

**Asparagus Fertilizer.** A mixture that promotes the root and top growth. Apply 600 lbs. per acre. \$1.00 per 25 lbs.; 50 lbs., \$1.75; \$3.00 per 100 lbs.; 200 lbs., \$5.50; \$42.50 per ton.

**Basic Slag.** (See Phosphate.)

**Blood (Dried).** For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 5 lbs., 75c.; \$1.25 per 10 lbs.; 25 lbs., \$2.25; \$4.00 per 50 lbs.; 100 lbs., \$7.50; \$14.00 per 200 lbs.

**Blood Flour.** Apply 200 lbs. per acre. Much like dried blood except that it is finer and acts almost instantly. 5 lbs., 75c.; \$1.40 per 10 lbs.; 25 lbs., \$2.75; \$5.00 per 50 lbs.; 100 lbs., \$9.50; \$17.50 per 200 lbs.

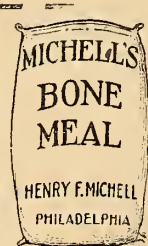
**Bon Arbor.** A concentrated chemical fertilizer; used in liquid form according to directions on the packages. Dilute 1 lb. of powder to 30 gallons of water. ½-lb. can, 30c.; per 1 lb., 50c.; \$1.80 per 5 lbs.

**Bone (Coarse Cracked).** ¼ to ½ size. This is particularly used for fruit trees, grape vines, etc.; apply at the rate of from 3 to 5 lbs., at the base of each vine or tree, and work it into the soil. (Not obtainable at present.)

**Bone (Coarse Ground).** Apply 600 to 800 lbs. per acre. Prepared from raw bone, exactly like bone meal except that it is not so fine, or quick in action; is used for the same purposes. (Not obtainable at present.)

**Bone Flour (Superfine Grade).** Apply 600 lbs. per acre. Very fine, like dust, effective almost immediately; can be used for indoor or outdoor purposes. 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.25; \$2.00 per 50 lbs.; 100 lbs., \$3.50; \$6.75 per 200 lbs.; ton, \$60.00.

**Bone Meal (Fine Ground).** Apply 600 to 800 lbs. per acre. Made from raw bone, without any addition of materials. Extensively used for lawns, greenhouse and in any case where a moderately slow stimulant fertilizer is wanted. 3 lbs., 25c.; 35c. for 5 lbs.; 10 lbs., 60c.; \$1.25 per 25 lbs.; 50 lbs., \$2.00; \$3.25 per 100 lbs.; 200 lbs., \$6.00; \$26.50 per ½ ton; \$50.00 per ton.



**Bone Meal (Michell's Special Grade).** We have been fortunate in locating a source from which we could get an unusually high grade of Bone Meal. By contracting for the entire output, the manufacturer agreed to let us have it. It is unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts. Always specify Michell's Special Grade when ordering. 100 lbs., \$3.50; \$6.50 per 200 lbs.; ½ ton, \$30.00; ton, \$55.00.

**Chrysanthemum Manure (Thomson's Special).** Especially recommended and used by the leading private gardeners of England and America. Very highly concentrated. Can be used in liquid and in dry form. Per 28-lb. sack, \$4.50; \$8.00 per 56-lb. sack.

**Clay's Fertilizer.** An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. On account of the war, at present this is not obtainable.

**Climax Lawn Sand.** An unique combination of carefully dried and finely ground chemicals. Destroys weeds in lawns, 3½-lb. can, 50c.; 7-lb. can, 95c.; 14-lb. can, \$1.50; 28-lb. pkg., \$2.75; 56-lb. pkg., \$4.25; 112 lbs., \$8.00.

**Copperas (Sulphate of Iron).** The low cost of this makes it very valuable for field as well as lawn use, it being one of the best articles for the destruction of Canada thistle and other weeds difficult to eradicate. Especially valuable for eradicating dandelion, sorrel, etc. It dilutes 100 lbs. to 52 gallons of water, enough to treat an acre, and is applied with a sprayer. While it destroys weeds it stimulates the grass. Price on application.

**Cotton Seed Meal.** Apply 600 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$1.90 per 50 lbs.; 100 lbs., \$3.50. Price for larger quantity on application.



**Cow or Cattle Manure (Shredded).** One sack of this is equal to one cartload of cow manure, is convenient to handle, making it possible for everyone to get this usually scarce article at all times. 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; \$3.00 per 100 lbs.; 500 lbs., \$13.00; \$22.50 per 1000 lbs.; ton, \$42.50.

**Cow Manure (Pulverized).** A fine top dressing for lawns or gardens or in greenhouses; apply 1000 lbs. per acre. In 100-lb. bags only, \$3.00; \$10.00 per 500 lbs.; ton, \$42.50.

**Dried Ground Fish.** Apply 300 to 400 lbs. per acre. For truck and plant forcing this is recommended. Also used to mix with other fertilizers to increase the ammonia analysis. In 200-lb. sacks only. Price on application.

**Guano Peruvian Substitute.** Apply 600 lbs. per acre. This has a very high analysis of all necessary plant-food elements and is now extensively used in place of Peruvian Guano, which has become extremely scarce. It is recommended for all farm and vegetable crops. In 200-lb. bags only. Price on application.

**Horn Shavings.** Used principally for mixing in potting and is rich in ammonia; especially valuable in chrysanthemum growing. 15c. per lb.; 5 lbs., 50c.; \$2.00 per 25 lbs.; 50 lbs., \$3.00; \$5.50 per 100 lbs.

**Horse Manure** (see Manure, page 197).

**Humus (Alphano Prepared).** An excellent article to incorporate with poor soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with from ½ to 2 inches of Humus and spaded in. 5 lbs., 25c.; 25 lbs., 65c.; \$1.00 per 50 lbs.; 100 lbs., \$1.35; \$6.25 per 500 lbs.; 1000 lbs., \$11.00; \$19.50 per ton. Special price, f. o. b. factory and in carload lots. (Also for price on Natural Humus see page 45 of this catalog.)



Albion, N. Y.

Gentlemen: The shipment of privet came in fine order. I am more than pleased with the plants; in fact, they seem to be in every way better than some others at twice the money.

Very truly,

A. C. HOWES.

### On Parcel Post Shipments

If remittance accompanies order, it should include mailing charges.

# MICHELL'S High-Grade FERTILIZERS

Prices on all FERTILIZERS  
Subject to Market Changes

197

**Land Plaster.** Used for top dressing newly plowed land prior to harrowing; also for sweetening the soil on lawns and fields. Apply 1000 to 1500 lbs. per acre. 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 60c.; \$1.00 for 50 lbs.; 100 lbs., \$1.75; \$3.00 for 200 lbs.; ton, \$22.00.

**Lawn Dressing (Michell's Odorless).** Apply 500 to 600 lbs. per acre. A quick stimulant for lawns and grass lands. 100 lbs., \$3.25; \$6.00 per 200 lbs.; 1000 lbs., \$28.50; \$55.00 per ton. Not less than 100 lbs. sold.

**Lawn Sand.** (See Climax Lawn Sand, page 196.)

**Lime (Hydrated or Powdered).** This is a very fine article for distributing on lawns. It promotes growth, gives the grass a rich color and has a tendency to prevent the growth of weeds. Apply one ton per acre on fields or 1/2 ton on lawns. Per 125-lb. sack, \$1.50; 500 lbs., \$5.50; 1000 lbs., \$8.50; ton, \$15.00. Special price in carload lots and f. o. b. factory. 125-lb. bag is smallest quantity sold.

**Lime (Lump or Land).** This is the screenings or forkings from the lime kilns and is extremely valuable for field use. In car lots only; price on application. Apply 2500 to 3500 lbs. per acre.

**Limestone (Pulverized).** For applying on sour or wornout soils at the rate of 1 ton per acre. Put up in 100-lb. bags (no smaller quantity sold), \$1.50 per bag; 1000 lbs., \$8.00; \$15.00 per ton. (Special price per ton, f. o. b. factory.)

**Manure (Fresh Horse, Stockyard and Cow).** At short notice we can usually supply first-class horse, cow and stockyard manure in carload lots only. Prices quoted on request.

**MAPES' CELEBRATED FERTILIZERS.** No less than 200-lb. sacks of Mapes' fertilizers are sold.  
Potato Manure..... }  
Corn Manure..... } Price on application.  
General Crop (for all crops)..... }

**Mulford's Culture.** For inoculating Clovers and other legumes. When ordering, please state for what crop you desire to use it. Trial size for beans and peas, 25c. Garden size (1/4 acre), 50c.; 1-acre size, \$1.50; 5-acre size, \$5.00. See page 47.

**Muriate of Potash.** Apply 100 to 150 lbs. per acre, usually with other fertilizers. This must be used with great care, as it is very powerful. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent. actual potash. Owing to European complications we are unable to supply at present.

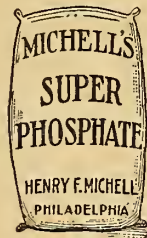
**Nitrate of Soda.** Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute two ozs. to 1 gal. of water and do not apply oftener than twice a week. 1 lb., 15c.; 65c. per 5 lbs.; 10 lbs., \$1.15; \$2.00 per 25-lb. bag; 50-lb. bag, \$3.75; \$7.25 per 100 lbs.; 200 lbs., \$14.00; \$65.00 per 1/2 ton; ton, \$125.00.

**Phosphate (Thomas' Basic Slag).** Used extensively for top dressing lawn, grass and grain lands; contains the proper elements to produce a rich, luxuriant growth; apply 600 to 800 lbs. per acre. In 200-lb. bags only. \$3.25 per bag; 1000 lbs. for \$15.00; \$27.50 per ton.

**Phosphate for Corn.** Apply 500 to 600 lbs. per acre. This contains the necessary ingredients to produce a bumper crop of either field or sugar corn. Not less than 200 lbs. sold. Per 200 lbs., \$5.00; per 1/2 ton, \$23.50; \$45.00 per ton.

**Phosphate, High-Grade Acid Tennessee or South Carolina Rock.** 14 per cent. Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200-lb. sacks only, \$3.25; \$25.00 per ton.

**Phosphate, Michell's High-Grade Ammoniated.** For all vegetable crops, grains, grass, etc. Apply 500 to 600 lbs. per acre broadcast. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., 85c.; 100 lbs., \$2.75; \$5.25 per 200 lbs.; ton, \$45.00.



\$1.50 per 50 lbs.; 100 lbs., \$2.75; \$5.25 per 200 lbs.; ton, \$45.00.

**Plant Food (Michell's).** A highly concentrated chemical fertilizer for house use. 15c. per 6-oz. pkg. Allow for postage if wanted by mail.

**Plant Food (Bowker's).** Similar to the above in character and purpose, entirely odorless. 4-oz. pkgs., 15c.; 12-oz. pkgs., 25c. Allow for postage if wanted by mail.

**Potato Phosphate (Michell's Hi-Grade).** Apply 400 to 600 lbs. per acre. The best fertilizer for potatoes, being extremely rich in every ingredient that potatoes thrive on. Unobtainable at present.

**Potato Manure.** Apply at the rate of from 400 to 600 lbs. per acre. 25 lbs., \$1.00; \$1.65 per 50 lbs.; per 100 lbs., \$3.00; \$5.50 per 200 lbs.; per 1/2 ton, \$26.00; per ton, \$50.00.

**Poudrette (Native Guano).** Apply 1000 lbs. per acre. Extensively used for garden, lawns, in making compost and in fact wherever a good, quick acting fertilizer is wanted. It is odorless and easily handled. Poudrette is absolutely harmless to human beings. Applied as a fertilizer to any garden crop. 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., 75c.; \$1.25 per 50 lbs.; 100 lbs., \$2.00; \$3.50 per 200 lbs.; \$16.00 per 1000 lbs.; per ton, \$30.00.

**Salt.** For agricultural purposes, asparagus beds and putting on walks and roads to kill weeds. Apply 600 to 800 lbs. per acre in early spring. 10 lbs., 25c.; 40c. for 25 lbs.; 50 lbs., 75c.; \$1.25 per 100 lbs.; 200 lbs., \$2.25; \$15.00 per ton.

**Sheep Manure (Wizard Brand).** Apply 1000 lbs. per acre. For garden, lawn or greenhouse use, nothing surpasses sheep manure; it is clean and easily handled, besides giving immediate results. 2 lbs., 20c.; 35c. per 5 lbs.; 10 lbs., 60c.; \$1.00 per 25 lbs.; 50 lbs., \$1.75; \$3.00 per 100 lbs.; 500 lbs., \$13.00; \$22.50 per 1000 lbs.; per ton, \$42.50.



**Soot (Imported Scotch).** This is used principally for bringing a good healthy color into the foliage of chrysanthemum and other greenhouse plants. Also destroys insects and grubs that work on and underneath the surface. 10c. lb.; 5 lbs., 40c.; \$1.25 per 25 lbs.; 112 lbs., \$4.00.

**Sulphate of Ammonia.** Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. This material will stimulate growth almost immediately. Analysis, equal to 25 per cent. of ammonia. 5 lbs., 70c.; \$1.35 for 10 lbs.; 25 lbs., \$3.25; \$10.00 for 100 lbs.

**Sulphate of Potash.** Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its own strength it must be used judiciously. Valuable for root and grain crops. Analysis, equal to 50 per cent. of actual potash. Owing to European complications, we are unable to supply at present.

**Tankage.** This is usually applied to plants such as roses, etc., under glass. It is similar to dried blood. 5 lbs., 35c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.75; \$5.00 per 200 lbs.; ton, \$42.50.

**Thomson's Special Flower, Vegetable and Vine Manure.** Imported from England, this excellent chemical fertilizer is extensively used wherever it is desired to force flowers or vegetables. 15c. lb.; 5 lbs., 60c.; \$1.10 per 10 lbs.; 28 lbs., \$2.00; \$3.50 per 56 lbs.; 112 lbs., \$7.00.

**Tobacco Stems.** For fumigating, mulching and fertilizing these are invaluable. The chief fertilizing element in them is the potash. They make an excellent top dressing for lawns in winter. Lb., 10c.; 25c. per 5 lbs.; per bbl. sack, \$1.25; in large bales, per 100 lbs., \$2.00; \$13.50 per 1/2 ton; per ton, \$25.00.

**Wheat Fertilizer.** Recommended especially for all grass and grain crops. Apply 500 to 600 lbs. per acre. Not less than 200 lbs. sold. 200 lbs., \$5.00; 1/2 ton, \$23.50; \$45.00 per ton.



**Wood Ashes.** See Ashes near top of opposite page 196.

## MICHELL'S BOOKS ON AGRICULTURE, HORTICULTURE, POULTRY, ETC., AND MATTERS PERTAINING THERETO

See page 200 for complete list. You will find there a number of books which contain a lot of information on the subject of Fertilizers—"How to Make and When to Use," by Gregory, price 50c., is one that is especially recommended to those interested. You may save a great deal of money by this trifling investment.

# 198 Michell's Insect and Vermin Destroying Preparations

**Ant Exterminator (Magic).** A powder that is used for distributing around buildings, on the greenhouse benches, on lawns, gardens, and any other places infested by ants. Per ¼ lb., 20c.; per ½ lb., 40c.; 75c. per lb.; 5 lbs., \$3.00.

**Ant Exterminator (Conellau's).** In liquid form, designed especially for use on lawns, tennis courts and putting greens; positively effectual. Apply with special squirt gun. 1 gal., \$1.25; \$6.00 for 5 gals. Special Squirt Gun for applying, \$1.50 each; (by Parcel Post, \$1.65).

**Anti-Pest (Carmen's).** For destroying red spider, scale and green fly. \$1.75 per gal.

**Aphine.** For destroying aphids, green fly, thrip, red spider and other greenhouse and outdoor insects. It dilutes readily in water about 1 part to 40 of the latter. ¼ pt., 25c.; 40c. per ½ pt.; pt., 65c.; \$1.00 per qt.; per gal., \$2.50.

**Aphis Punk.** A paper that has been thoroughly saturated with nicotine. Used for fumigating, giving off dense fumes of nicotine. Excellent for aphids, thrip, white and green fly, also red spider. (For use in greenhouses only.) Per pkg., 60c.; \$6.50 per 12 pkgs.

**Arsenate of Lead (Paste).** For spraying trees and shrubs against the attacks of leaf-biting insects of all kinds, especially valuable for spraying to destroy the codling moth. It comes in paste form and dilutes 1 lb. to 25 gals. water. Per lb., 35c.; \$1.50 per 5 lbs.; per 10 lbs., \$2.75; \$5.50 per 25 lbs.; \$10.00 per 50 lbs.; per 100 lbs., \$17.50.

**Arsenate of Lead (Powdered).** 1 lb. to 1½ lbs. dilutes to 50 gals. of water, or may be used dry, like Paris Green. 50c. per lb.; 5 lbs., \$2.40; \$4.50 per 10 lbs.; 25 lbs., \$10.00; \$19.00 per 50 lbs.; 100 lbs., \$36.00.

**Bordeaux-Arsenate.** This is a combination of Arsenate of Lead and Bordeaux Mixture, resembling Pyrox. Its use combines an application of Fungicide and Insecticide at one time. A pound dissolves with 5 gallons of water. It sticks to the foliage and will not wash off for a long period. 1 lb., 35c.; \$1.50 per 5 lbs.; 10 lbs., \$2.75; \$5.00 per 25 lbs.; 50 lbs., \$9.50; \$18.00 per 100 lbs.

**Bordeaux Mixture.** Used principally for mildew, blight and fungous diseases that affect potatoes and fruit trees. Liquid form: 1 qt., 50c.; \$1.50 per gal.; 5 gals., \$5.50. One gallon makes 50 gallons material. Dry form: 1 lb., 30c.; 5 lb. pkg. (makes 30 gals.), \$1.00; \$1.75 per 10-lb. pkg. (makes 50 gals.).

**Boro-Wax.** For painting trees to destroy and keep away borers. 40c. per qt.; ½ gal., 75c.; per gal., \$1.25.

**Bug Death.** Largely used instead of Paris Green. It is claimed to have the same effect. The manufacturers say that it acts as a fertilizer as well as an insecticide. It comes in powder form, and is applied pure. Not poisonous to persons. Per lb., 20c.; 45c. per 3 lbs.; 5 lbs., 65c.; per 12½ lbs., \$1.25; \$8.50 per 100 lbs. (Special Shaker for Bug Death, 35c.)

**Copper Solution.** Made of sulphate of copper and other materials. Excellent spray for carnation rust and diseases of the grape, pear, apple, and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Per qt., \$1.00; \$2.75 per gallon.

**Cut Worm Destroyer (Reade's).** For killing cut worms, grubs and maggots that work in the soil. 1 lb., 25c.; 5 lbs., 80c.; 10 lbs., \$1.25; \$2.50 for 25 lbs.; 100 lbs., \$7.50.

**Cyanegg.** See Hydrocyanic and Gas in opposite column.

**Dalmatian or Persian Powder.** For ridding buildings of all kinds of insect pests; particularly for the smaller and creeping kinds. 30c. per ¼ lb.; ½ lb., 55c.; 1 lb., 90c.; \$4.00 per 5 lbs.

**Death to Lice (Lambert's).** For plant lice, adhesive to foliage. 5 oz., 10c.; 25c. for 15 oz.

**Fir Tree Oil Soap.** This is very much like the Fir Tree Oil, except that it is in the shape of soft soap, and many prefer to use it in that way. It is dissolved according to directions in warm or hot water and used as a spray or wash. Per ½ lb., 35c.; \$1.00 per 2-lb. can.

**Fish Oil Soap.** For mild forms of Scale, and is an excellent summer spray, when something stronger cannot be used, where the San Jose Scale exists. It is nice for washing off Lemon trees, Oleanders, and almost anything that would be infested with soft-

shelled or in fact most any kind of insect. Dissolved in water according to various purposes. Per ½ lb., 15c.; 25c. per lb.; per 5 lbs., \$1.00; \$3.00 per 25 lbs.; 50 lbs., \$5.75; \$9.50 per 100 lbs.

**Fish Oil Soap (Good's Caustic).** Used extensively as a tree spray and as a summer remedy for San Jose Scale, it comes in a soft soap form and is easily dissolved, 1 lb. to 10 gals. water. 30c. per 1-lb. can; 5-lb. can, \$1.25; \$4.75 per 25-lb.

**Fungine.** An excellent remedy for fungous diseases of all kinds. \$1.00 per qt.; per gal., \$3.50.

**Getz There Soap.** Ideal for washing palms and spraying in place of Fish Oil Soap. 2 lbs., 40c.; \$1.00 for 8 lbs.; 25 lbs., \$2.50.

**Grape Dust.** A powder preparation used for mildew, aphids, black fly, and other insects and fungous diseases, principally in greenhouses. Per 5 lbs., 75c.; \$1.40 per 10 lbs.

**Hellebore.** The ideal material for destroying rose bugs, currant worms, and other soft-shelled insects that infest the garden. It can be applied dry or in liquid form. ¼ lb., 25c.; 40c. per ½ lb.; per lb., 65c.; 5 lbs., \$3.00.

**Imp Soap Spray.** Per qt., 60c.; per gal., \$1.75; 5 gals., \$7.50.

**I X L Compound.** An English preparation for spraying; harmless to very delicate plants. Kills mealy bug, red spider and all insect pests. \$4.00 per gallon.

**Hydrocyanic Acid (Fumigation with Cyanegg) (Poison).** Put four ounces of water in a galvanized iron pail, add to this 2 ozs. of Sulphuric Acid, wrap an ounce of Cyanegg in paper and place it in the bucket, which should be placed near the door of the greenhouse to afford quick exit. The above charge is sufficient for 1000 cubic feet of space. Don't open the greenhouse for at least 12 hours. One of the ventilating sash should be arranged so it can be opened from the outside to allow the fumes to escape entirely before entering. This is claimed to be the best remedy to kill the white fly. In 1-lb. cans only. \$1.00 per lb. Sulphuric Acid we do not supply; we advise to obtain same locally.

**Kerosene Emulsion (Liquid).** Diluted in water this makes an excellent spray for all mild forms of scale, and soft lice of any kind such as infest rose and fruit bushes, vegetables and trees. Dilutes 1 part to 20 parts of water. Qt., 50c.; \$1.25 per gallon.

**Kil-o-Scale.** Destroys and prevents the spread of scale insects of all kinds. Its chief use is the destruction of the San Jose Scale, which prevails in most parts of this country. It is diluted, one part Kil-o-Scale to twenty parts water. Per pt., 35c.; 60c. per qt.; per ½ gal., 85c.; per gal., \$1.35; \$5.50 per 5 gals.

**Lemon Oil Co.'s Insecticide.** The best and cheapest insecticide in the market. Used by nearly all the leading growers. It effectually destroys mealy bug, scale, thrip and red spider. Half pt., 30c.; pt., 50c.; qt., 90c.; half gal., \$1.50; gal., \$2.50; 5-gal. kegs, \$10.50.

**Lime Sulphur.** For destroying San Jose Scale. This is a concentrated form which is diluted 1 gal. to 12 or 15 gals. water, either hot or cold. May be used as a summer or winter spray, excellent to use as a fungicide. 50c. qt.; \$1.00 gal.; 5 gals., \$3.00; \$5.00 for 10 gals.; 25 gals., \$8.00; \$12.50 per 50 gals.

**Lime Sulphur (Dry Powder Form).** Powdered Lime Sulphur is becoming very popular on account of the small expense for shipping. It is instantly soluble in either cold or hot water, dilute 1 lb. to 10 gals. of water; does not separate, keeps indefinitely. 1 lb., 25c.; \$1.00 for 5 lbs.; 10 lbs., \$1.75; \$3.50 for 25 lbs.; 50 lbs., \$6.00; 300-lb. barrel at 10c. lb.



CARBONDALE HYDROMETERS

These are highly recommended by the Pennsylvania State Department of Agriculture for testing the gravity of Lime Sulphur solution. One should be in the hands of every man who uses this material. Price, \$1.00. (Postpaid, \$1.10.) With directions.

## "BLACK LEAF 40"

Nicotine Sulphate—40% Nicotine

This is the insecticide that is so highly recommended by Experiment Stations. It destroys Aphids (plant lice), Thrips, Leaf-hoppers on all tree, bush and vine fruits, vegetables, field crops, flowers and shrubs; also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage.

May be combined with other sprays. Highly concentrated. Soluble in water—easy to mix—does not clog nozzles.

You can not go wrong by ordering "Black Leaf 40" for sucking insects.

### PRICES:

1 oz.—\$0.25—makes 6 gallons spray  
 ½ lb.—0.75— " 40 to 120 gals. spray  
 2 lb.—2.50— " 160 to 500 " "  
 10 lb.—10.75— " 800 to 2500 " "



# Michell's Insect and Vermin Destroying Preparations 199

**Nicotide.** Used as a spray or as a vapor, principally in the latter way, it is placed in a tin saucer with lamp underneath, and the nicotine fumes are thus distributed. It is very effective in destroying thrip, aphid, white fly, red spider, etc. At the present time this material is not available. (Lamps for Nicotide and similar products, 60c. each.)

**Nicotinana.** A nicotine solution for spraying and vaporizing. \$1.50 per qt.; per gal., \$4.50.

**Nicotine Cones** (See Vapor Cones).

**Nico-Fume (Liquid).** This is used in very much the same way as Nicotide. Per ¼ lb. (about ¼ pt.), 50c.; \$1.50 per lb. (about 1 pt.); 4 lbs. (about ½ gal.), \$5.50; \$10.50, 8 lbs.

**Nico-Fume.** This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. Preferred by many who do not wish to spray or vaporize. Per box, 24 sheets, 85c.; per 144 sheets, \$4.00; per 288 sheets, \$7.50.

**Nikoteen.** One of the very best forms of tobacco or nicotine preparations, diluted in water, makes a most satisfactory spray as well as vapor, excellent for pea lice in the garden. ½ oz., 15c.; 40c. for 1¾ oz.; 8 oz., 85c.; \$1.50 per pt.; gal., \$10.00.

**Paris Green.** The chief merit of this article is the destruction of the potato bug. It may be used in liquid form, 1 pound in 50 gallons of water, or with Land Plaster at the rate of 1 pound Paris Green to 100 pounds Land Plaster. 20c. per ¼ lb.; per ½ lb., 35c.; 60c. per lb.; \$3.00 per 5 lbs.; per 14 lbs., \$7.75.

**Pyrox** (Bowker's). A pasty substance used for all leaf-biting insects. It is really a Bordeaux and Arsenate of Lead combined and is excellent. Dilute 1 lb. to 5 gals. water. 40c. per lb.; 5 lbs., \$1.50; \$2.75 per 10 lbs.; 25 lbs., \$6.00; 50 lbs., \$10.75; \$20.00 per 100 lbs.; 300 lbs., \$57.00.

## RAT CORN



It mummifies the Rodents, eliminating nauseous odors. It will not kill human beings.

One of the most repulsive scourges humanity has to fight is the rat. He has killed millions of human beings by Bubonic Plague infection. He eats and destroys over \$500,000,000 property in the United States alone. He is a constant menace and danger to the human race. **RAT CORN** is a sure rodent exterminator, but there is no danger of fatalities, accidents or otherwise, and disagreeable odors are unknown.

The United States Government authorities have started a relentless war on the rat, and all citizens should start at once and co-operate with federal, state and city departments of health in this great work, as quick action for big and successful results is absolutely necessary at this time.

**Rats Carry Fleas and Fleas Carry the Bubonic Plague.** It is a recognized fact, acknowledged by scientists throughout the world, that **no rat, no flea, no plague.** The public must do its full duty at this time and **kill rats by the million,** as has been done elsewhere by the use of

**RAT CORN.** 25c., 50c., \$1.00 (Post-paid).



After eating Rat Corn He is Mummified

**Readeana Rose Bug Exterminator.** Used for destroying rose bugs, green fly, mealy bug, blight, mildew, etc. 4-oz. bottle, 30c.; 8-oz. bottle, 50c.; \$1.00 per 24-oz. can; per gal., \$4.00.

**Sulphocide.** A summer spray against fungous diseases; one of the best preparations of its kind. 50c. pt.; qt., 75c.; \$2.00 per gal.

**Scalecide.** Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 20 gallons water. Scalecide does not clog nozzles, hose or pump, and is easily prepared. 45c. per qt.; per gal., \$1.10; \$4.50 per 5 gals.; 10 gals., \$8.25; \$18.25 per 30-gal. jacketed tin; \$29.50 per 50-gal. bbl.

**Scale Destroyer** (Target Brand). For San Jose Scale, 1 gal. dilutes to 20 gals. water. Per qt., 50c.; 75c. per ½ gal.; per gal., \$1.10; \$4.25 per 5 gals.; 10 gals., \$8.00; 25-gal. bbl., \$16.00; per 50-gal. bbl., \$28.50.

**Shoo Fly.** For keeping flies off cattle and horses, used with a sprayer or a sponge, the cattle and horses are either sprayed or rubbed with the preparation in the morning before being put in the field or out to their day's work. Per qt., 45c.; \$1.25 per gal.

**Slug Shot.** The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. 20c. per 1-lb. canister; per 5 lbs., 50c.; 90c. per 10 lbs.; 25 lbs. for \$2.15.

**Sulphate of Copper.** For destroying fungous diseases of all kinds, also used in making Bordeaux mixture, and for spraying potato vines in connection with Paris Green. Where used as a Bordeaux mixture it requires four pounds Sulphate of Copper to 6 pounds Lime, which is diluted in 50 gallons of water. Per lb., 25c.; \$2.00 per 10 lbs.

**Sulphur.** Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale when it is used in connection with lime and salt. Per lb., 10c.; 40c. per 5 lbs.; 25 lbs., \$1.75; \$6.00 per 100 lbs.

**Sulphur Candles.** For fumigating in sick-rooms, also in conservatories and greenhouses. Large, 25c. each; per doz., \$2.50; small, 15c. each; per doz., \$1.50.

**Thrip Juice** (Hammond's No. 2). This preparation is very effective against aphid, red spider, mealy bugs and sucking insects generally. 75c. pt.; qt., \$1.25; \$4.00 per gal.

**Tobacco Dust** (Special). For either fumigating or dusting. A specially prepared article; state which kind is wanted when ordering. 1 lb., 10c.; 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.35; \$2.50 per 50 lbs.; 100 lbs., \$4.00.

**Tobacco Soap** (Sulpho). A combination of tobacco extract and sulphur, fine for washing and spraying plants; dissolve in warm water. 3-oz. cake, 15c.; 25c. per 8-oz. cake.

**Tobacco Stems** (Fresh). Used principally for fumigating and under benches in greenhouse. They may also be steeped in hot water and used as a spray. Per lb., 10c.; 25c. per 5 lbs.; 1 bbl. sack, \$1.25; large bales at \$2.00 per 100 lbs.; \$13.50 per half ton; per ton, \$25.00.

**Tree Tanglefoot.** A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Per lb., 50c.; 3-lb. can, \$1.40; 10-lb. cans, \$4.00; \$7.50, 20 lbs.; \$9.00 per 25 lbs.

**Vaporite.** Vaporite is a gray non-poisonous powder which, when it comes into contact with soil, gives off a vapor. This vapor kills all underground insects such as Wireworms, etc. Vaporite is for soil application—not for the leaves of the plant. Vaporite should be uniformly distributed on the surface or in the soil among the insects, so that the gas evolved may destroy them. 1 lb., 15c.; 60c. per 5 lbs.; 10 lbs., \$1.00; \$2.25 for 25 lbs.; 50 lbs., \$4.25; \$7.50 per 100 lbs.

**Vermine.** A soil sterilizer, a germicide. Will destroy worms, maggots, etc. It is usually applied at the time of preparing potting soil. Dilute at the rate of one part to 400 parts of water and thoroughly soak the soil. Per qt., \$1.00; \$3.00 per gal.

**Worm Destroyer** (For Earth Worms). This preparation is being successfully applied to grass plots, putting greens, etc., with great results. It is a powder and is distributed over a given surface and soaked with water, which causes the worms to come to the surface, where they may be scooped up readily and further destroyed. It acts as a fertilizer as well as worm destroyer.

Reade's Brand. In 100-lb. bags only. Price on application.  
Carter's Brand. In 100-lb. bags only. Price on application.

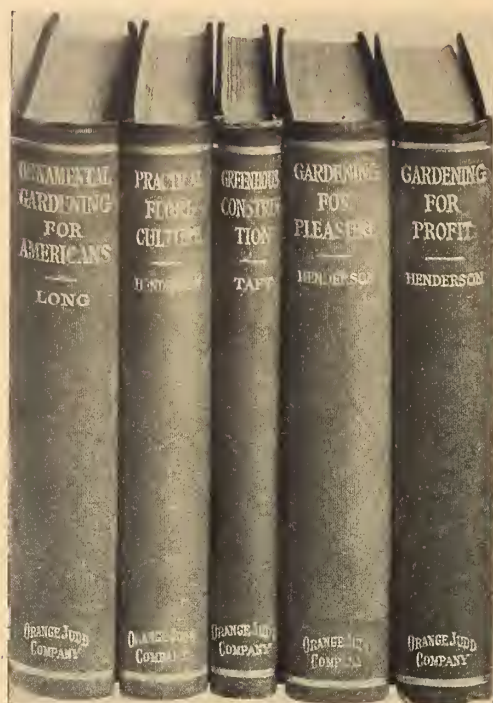
**Worm Eradicator** (Reade's Electric). This has been found to effectually destroy worms in greenhouse benches and in potted plants, or for outdoor use in the flower and vegetable garden, or among trees. 4-oz. bottle, 30c.; 8-oz. bottle, 50c.; \$1.00 per 24-oz. bottle; \$4.00 per gal.; \$17.50 per 5 gals.; 10 gals., \$35.00.

**Vapor Cones** (Lethorion Nicotine). An English invention providing nicotine in a solid form. The ideal fumigant for either large greenhouse or small conservatory. No. 2 will fumigate 1500 cubic feet, 25c. each; doz., \$2.50. No. 3 will fumigate 2500 cubic feet, 30c. each; doz., \$3.00.

**Zenoleum.** A germicide and disinfectant. Endorsed by forty-four State Experiment Stations and Agricultural Colleges, and the leading live stock men of America. Zenoleum is a concentrated solution of coal tar. It mixes with hot or cold water. It will penetrate deeper and more rapidly than any other disinfectant. Liquid, ½ pt., 30c.; 55c. qt.; ½ gal., 90c.; \$1.50 gal.; 5 gals., \$6.75. Powder, 25c. per 16-oz. pkg.

The Prices on all Insect Destroyers are subject to change

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A good book, as all know, is a help in doing any kind of work or play. Our selection is up-to-date at all times, and we are, in addition, glad to get books on other subjects not offered here.

If books are wanted by mail add 10c. per copy on all (except those under 50c.) for postage charges.

**BOOKS ON FLOWERS, VEGETABLES, Etc.**

Alfalfa Growing (F. D. Coburn).....	\$0.60
Agriculture, The Principles of (Bailey). A text-book.....	1.25
Asparagus (Hexamer). Its culture for home, for market....	.60
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Bulbs and Tuberos Rooted Plants (Allen).....	1.50
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Fertilizers (Gregory). How to Make and When to Use.....	.50
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How to Grow Vegetables. A practical hand-book and planting table for the home garden.....	1.75
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Potato Culture (Rogers).....	.50
Pruning Book (Bailey).....	1.50
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Rhubarb Culture (Morse).....	.60
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**MICHELL'S PRACTICAL GARDEN POINTERS**

Contains everything pertaining to the planting and cultivation of the Vegetable and Flower Garden. Full directions as to How and What to Plant. How to take care of your growing crops. How to eradicate Insect Pests. How to increase products and How to keep them after harvesting. Cultural directions are given for almost every Vegetable, Plant or Bulb listed in our catalog.

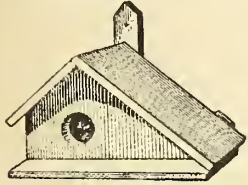
This pamphlet is sent absolutely free with an order for seeds or plants.

HENRY F. MICHELL COMPANY.

# MICHELL'S RUSTIC AND ORNAMENTAL BIRD HOUSES

Comparatively few of us recognize the great economic value of birds. Particularly the bluebirds, house wrens and martins are very easily domesticated. Their favorite nesting sites are bird houses made for their use which may be placed about in the garden and farm or in orchards. As rent, these grateful birds pay amply, by destroying millions of insects annually. If you put up your bird houses in the autumn or before the birds arrive in the spring, you may be able to keep the birds with you all winter if you provide them with shelter and food.

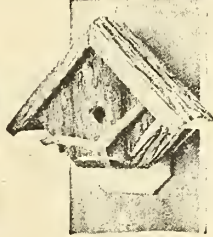
**ABOUT WRENS.** Place Wren Houses near your dwellings; the wren is hardly ever known to nest off in the woods. If not disturbed, they will become very tame. These Wren Houses are made with 1-inch holes so that sparrows cannot disturb the occupants.



**Maryland Wren Box**  
Painted green and red.  
35c. each; 3 for \$1.00.  
P. P. Wt., 1 lb.



**No. 50. Hanging Wren House**  
Price, \$1.15  
P. P. Wt., 3 lbs.



**No. 9.**  
Price, \$1.35  
P. P. Wt., 3 lbs.



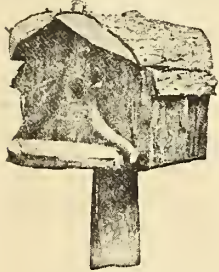
**No. 8. 14-Room Martin House.**  
Price, \$20 Not available.



**No. 22.**  
Price, \$1.35

For Woodpeckers, Chickadees, Nuthatches, etc.

P. P. Wt., 3 lbs. each.



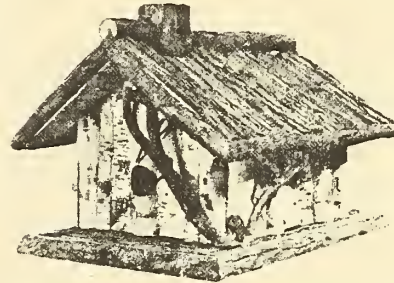
**No. 13.**  
Price, \$1.35  
P. P. Wt., 3 lbs.



**No. 11.**  
Price, \$1.35  
Weight, 3 lbs.



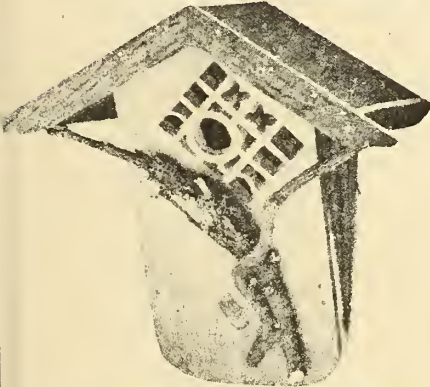
**No. 12.**  
Price, \$1.50  
Made to Swing



**No. 77—4-room Martin House.**  
Finished in white birch. Size, 13x7x21 inches.  
Price, \$6.25.  
Not available.



**No. 25.**  
Price, \$1.25



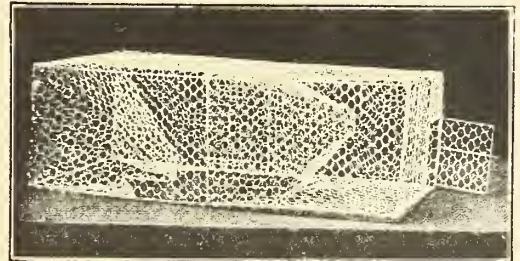
**No. 28. The Wren "House Beautiful."**  
Price, \$2.25. P. P. Wt., 4 lbs.



**No. 60. Robin House.**  
Price, \$1.35  
P. P. Wt., 3 lbs.



**No. 62. Blue Bird House.**  
Price, \$1.35  
P. P. Wt., 3 lbs.



## THE BEST SPARROW TRAP

We have tried out and found it to be the best trap made. Scatter a little cracked corn and set trap right over it. You'll be surprised at the catch. \$7.00 each.

# MICHELL'S RECLEANED BIRD SEEDS, PET SUPPLIES, ETC.

Our bird seeds are of the highest quality, fresh and re-cleaned. Your feathered pets will thrive if you get your supplies in this line from us.

	Qt.	Lb.	5 lb.	10 lb.	25 lb.
Ants' Eggs	\$0.50				
Canary, Plain Sicily	\$.015	\$0.70	\$1.25	\$3.00	
Canary, Mixed	.15	.70	1.25	3.00	
Hemp Seed	.12	.55	.90	2.25	
Millet Seed (Imported)	.10	.40	.75	1.50	
Rape Seed	.15	.70	1.25	3.00	
Unhulled Rice	.12	.50	.80	1.75	

**Bird Manna.** Keeps Canary Birds in prime condition. Pkg., 15c.  
**Catnip Balls.** A plaything for pussy. 15c. each.  
**Cattle Fish Bone.** 5c. each; 1/4 lb., 20c.; 75c. per lb.  
**Fish Food.** For aquariums. 15c. pkg.  
**Lettuce Seed.** 5c. per oz.; 10c. per 1/4 lb.; 1b., 30c.

**Maw Seed.** 1/4 lb., 25c.; 5c. lb.; 5 lbs., \$4.00.  
**Parrot Food (Spratt's).** 15c. pkg.; \$1.65 doz.  
**Sand for Bird Cages.** Fine, Red or Silver.  
6c. pkg.; doz. pkgs., 65c. Silver (coarse).  
6c. pkg.; doz. pkgs., 65c.  
**Song Restorer for Canaries,** revives the desire to be lively and sing more lustily. Price, 10c. per bottle; per doz., \$1.00.

Prices on Bird Seeds Subject to Market Changes

## SUNFLOWER SEED

We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article. 12c. per qt.; 4 qts., 40c.; 65c. per peck; per bushel (25 lbs.), \$2.50.



# MICHELL'S GRASS SEEDS

FOR EVERY PURPOSE.



## MICHELL'S

### GREEN VELVET LAWN GRASS SEED

READY FOR MOWING FOUR TO FIVE WEEKS  
FROM SOWING, PRODUCING A PERMANENT DEEP  
GREEN TURF, "FREE FROM WEEDS"

Quart 30¢      4 Quarts 85¢  
Peck (5 lbs.) \$1.25. Bushel (20 lbs.) \$5.00.

# HENRY F. MICHELL CO.

## GRASS SEED SPECIALISTS, 518 MARKET ST. PHILA.